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Spring

1914

SEEDS

Stumpp & Walter Co

30 & 32 BARCLAY ST.

NEW YORK



FOUR OF THE
KING ASTERS
TWO-THIRDS NATURAL SIZE
SEE PAGE 2



OUR NEW HOME



Sixteenth Anniversary Announcement

FROM a modest beginning, sixteen years ago, our business has developed to a point where larger quarters are made wholly desirable. Our New Home, which occupies the site of the old one, makes us distinctly proud of our Sixteenth Anniversary Announcement. In order to meet the increasing trade we have become located in one of the largest stores and buildings in the city. Five floors, and two floors below street level, give us a wide range of business. We are now engaged in the merchandising of Seeds, Bulbs, Poultry Supplies, Implements, Insecticides, and all the necessities to the needs on the farm, in the garden, on the lawn, and on the estate. We are so confident that it is worth while to deal with us, will find that the filling of the order is given the best of good care, and with a great deal more comfort to our customers than in the past. The building up of our business. We ask our friends to continue their support, thanking them for their earnest support which has made our business a success. It is our venture possible, while extending the assurance that we will always be made to better serve them.



A splendid adaptation of the flower-garden. Its beauties may be enjoyed from the windows of the home

SPECIAL FREE DELIVERY

We will deliver all goods listed in our catalogue, if your purchase amounts to **One Dollar** or over, when cash accompanies the order, by express or mail to your town or city; and by freight to your railroad station, when the goods consist of heavy materials, such as Agricultural Seeds, Implements, Fertilizers, Insecticides and Potatoes; provided your home is within 500 miles of New York City.

Packing.—We make no charges for cases or packing, only for bags for Timothy and Clover; these bags cost twenty-five cents extra for each two bushels.

Remittances should be made by Draft on Bank, Post-Office Order, Registered Letter or Express Money Order. Small sums may be sent in postage stamps of small denominations. Particular care is essential in having name, post office, county and state distinctly written. We are in receipt of many orders deficient in these important particulars, often causing a delay of weeks in executing them, to the great inconvenience of both parties. Charge accounts are readily opened to all persons of approved credit.

Non-Warranty.—While we exercise the greatest care to have all seeds pure and reliable, and all bulbs and plants true to name and of the best quality, we give no warranty, express or implied, as to description, quality, productiveness, or any other matter, of any Seeds, Bulbs or Plants we send out, and we will not be responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned. All claims must be made within 5 days after receipt of goods.

JULIAN H. WALTER, *President*
GEORGE G. STUMPP, *Treasurer*
WILLIAM A. SPERLING, *Secretary*

STUMPP & WALTER COMPANY
30-32 Barclay St., New York City

S. & W. Co.'s Novelties and Specialties in Flower Seeds

The descriptions given of the following Novelties are those of the introducers. In this connection we desire to say that all are from the best possible sources of supply, and have been selected by us with every regard for the reliability of the introducers.



ASTER, LAVENDER-PINK KING

THE FIVE KING ASTERS

This magnificent class of Asters is distinct from all others in the character of the flowers. The long, narrow petals are folded lengthwise, appearing almost as though quilled. The flowers are of great size and substance, and last longer when cut than any other class.

The plants are large, and the stems exceptionally long and strong. Our customers who grew this famous group of Asters last year, four of which we have featured on our front cover, will be pleased to learn of another color being added to this splendid type of Aster.

White King and Pink King are of more upright habit, while Lavender King, Violet King, and Rose King are of branching habit; blooming, as they do, with our Late Branching they make a very desirable addition and should be grown in every garden.

LAVENDER KING. Pkt. 25 cts., 5 pkts. \$1.

PINK KING. Pkt. 20 cts., 6 pkts. \$1.

VIOLET KING. Pkt. 10 cts., $\frac{1}{2}$ oz. 75 cts.

WHITE KING. Pkt. 20 cts., 6 pkts. \$1.

ROSE KING. Pkt. 10 cts., $\frac{1}{2}$ oz. 75 cts.

Collection of five packets of King Asters, 75 cts.

TEN CHOICE AMERICAN ASTERS

The following ten Asters, many of which were introduced by James Vick's Sons, Aster Specialists, deserve a place in every garden, as they are among the best of recent introductions.

Autumn Glory. New Very Late Branching Aster. Pure sea-shell pink. While similar in color to Semple's Pink, with which most persons are familiar, it has a better and more substantial flower, a deeper and longer-keeping color, larger and stronger type of plant. Its most distinctive characteristic and chief claim for recognition, however, is the fact that it is later in season than any of the other varieties. While it cannot take the place of Semple's Pink, Peerless Pink, Shell-Pink Rochester and others of similar color, all of which are earlier, it supplements them by blooming after the other Late Asters are past their prime, and before the early Chrysanthemums are ready, thus prolonging the Aster season two weeks, and coming at a time when good flowers are extremely scarce. Autumn Glory will be a money-maker for the commercial grower, and a delight to the amateur. It comes uniformly true to color and type. The flowers are splendid in size and form, very double, and are borne on stems of unusual length. Pkt. 25 cts., 5 pkts. \$1.

Pink Enchantress. Upright in habit, as distinguished from the Branching form. The plant is very vigorous, and produces long, strong stems for the support of numerous large exhibition blooms. The flower is always full-double; petals are of medium length and very broad; those toward the center fold in very regularly, while gradually, toward the outer edge, the petals stand out more and more until those on the outside recede from the center, thus increasing the diameter of the flower, which compares very favorably in size with the largest-flowering kinds on our farm. Color similar to that of the Enchantress carnation; flowers late. Pkt. 25 cts., 5 pkts. \$1.

Peach Blossom. A decided and pleasing shade of deep lavender-pink. The flowers are of the largest Branching size and very deep, having an unusual number of rather narrow petals. The size and thickness of the flower give it a massive effect. The plants are of the non-lateral type, with very strong stems that hold the flowers up at all times; flowers late. Pkt. 25 cts., 5 pkts. \$1.

White Perfection. Finest midseason white Aster in cultivation. The flowers are 4 inches in diameter and exquisite in form, and the plants are taller than those of the late upright Asters. When first open the entire flower is whorled, producing a charming effect; the broad petals are slightly folded lengthwise, making them appear rather narrow. The plants are extremely vigorous; they carry about twelve large flowers on strong stems free from side branches. Pkt. 25 cts., 5 pkts. \$1.

Early Upright White. This is one of the best selling novelties of the last two seasons. Plants grow compactly with long, erect flower-stems, which are quite free from side shoots. Plants yield eight to twelve flowers. The flowers are unusually large and solid, compact and ball-shaped. The crown is completely covered. Pkt. 10 cts., ½oz. 50 cts.

Royal Pink. Possessing all the characteristics of our famous Late Branching, and identical in habit with Royal Purple, except in color, which is a beautiful shell-pink. Blooms several weeks earlier than the Late Branching. Pkt. 25 cts., 5 pkts. \$1.

Royal Purple. Considered by most people who have grown this as the best medium-early Branching Aster of its color. It has all the advantages of vigor and productiveness; color striking. Pkt. 10 cts., ½oz. 50 cts.

Early Snowdrift. The earliest white Aster in existence. When planted early the plants will grow quickly and send out eight to fifteen long stems, crowned with immense flowers. Pkt. 10 cts., ½oz. 50 cts.

Lavender Gem. Truly a gem and easily the finest early lavender. Full-double flower, the feathery effect of the ostrich-feathered type is enhanced by the fact that it bears long, partly tubular florets that are irregularly cut and slashed, resembling ragged chrysanthemums. Pkt. 10 cts., ½oz. 50 cts.

Improved Crego Pink. The plants are vigorous and productive of from ten to fifteen strong flower-stems frequently 2 feet or more in length. Pure shell-pink flowers, 4 to 5 inches; in bloom from mid-August on through September. Pkt. 10 cts., ½oz. 50 cts.

COLLECTION. One packet each of 10 varieties, \$1.25.



Pink Enchantress Aster

NOVELTIES AND SPECIALTIES IN FLOWER SEEDS, continued



Dimorphotheca aurantiaca

Antirrhinum, New Semi-Dwarf Heath-rose.

An attractive new variety of the very popular Antirrhinum. The plants, which grow upright and compact in habit, are covered with large, handsome flowers of pure white with brilliant rose tips. Pkt. 25 cts., 5 pkts. \$1.

Antirrhinum, Giant Purple King. The introducer of this Antirrhinum claims it is a decided advance in the size of the individual flower of any Antirrhinum yet introduced. It is of robust habit, the flowers being almost twice the size of any existing variety; the color is a deep, glowing purple, and they are borne in splendid spikes. Pkt. 25 cts., 5 pkts. \$1.

Single Aster, Southcote Beauty. This new race much resembles the single Ostrich Plume Aster which has become exceedingly popular during the last few years. It has all the beauty of habit and flower which the latter possesses, and is a distinct acquisition. The flowers have long, perfectly formed petals, but the golden yellow centers are very small. They are carried on long, stiff stems, 12 to 20 inches in length. The colors include beautiful shades of pink, blue and white. Southcote Beauty attains a height of 2 to 2½ feet, and is probably unrivaled by any other Aster for cutting and house decoration. Pkt. 15 cts., 2 pkts. 25 cts.

Begonia gracilis, Bonfire. A new and very beautiful variety of *Begonia gracilis*, which will undoubtedly prove of great value. As in the type form, the plants grow 12 to 14 inches high; they branch very freely and produce masses of bloom, which are carried well above the handsome, metallic brown foliage. The individual flowers are comparatively large, measuring 1½ by 1 in., and appear in a lustrous carmine-scarlet. The brilliance of its striking color is perceptible even at a considerable distance. This splendid variety of *Begonia gracilis* comes quite true from seed, and is without doubt one of the very best bedding Begonias yet introduced. Pkt. 25 cts., 5 pkts. \$1.

Begonia, Triumph. This Begonia, of the *Semperflorens* type, is a grand acquisition. The color is a pure, glistening white, and when contrasted with that of the red sorts will prove most effective. Pkt. 25 cts., 5 pkts. \$1.

Centaurea moschata rosea. There has been a great want indeed for this color in the *Centaurea moschata*, or Sweet Sultan. The plants of this new variety are very strong growers and free-flowering; the color is a beautiful rose, with a suggestion of lavender. Will become very popular as a cut-flower. Pkt. 25c., 5 pkts. \$1.

Clarkia, Brilliant, Double. This is a distinct advance in the Clarkias, which has resulted from careful selection of the tall-growing varieties. The variety we offer is quite fixed in character; the color is beautiful salmon-pink. Plants grow about 2 feet high, which makes them good subjects for pots or open-ground culture. A grand acquisition to the hardy annual section. Pkt. 25 cts.

Dimorphotheca aurantiaca, Orange Daisy. Annual. This is by far the best introduction in recent years. The plants are of branching habit, growing about 15 inches high; the flowers are a rich golden orange with a dark center. Being an annual, it is easily cultivated and will give a magnificent display all summer. Very highly recommended. Pkt. 10 cts., 3 pkts. 25 cts., 1-16 oz. 75 cts.

Dimorphotheca aurantiaca hybrida. New, selected hybrids in splendid mixture. We are pleased to be able to offer this charming novelty. In habit, growth and foliage, as well as in height and size of bloom, the new hybrids are similar to the parent, *D. aurantiaca*. The flowers vary in color from the purest white to red, blush-white tints, sulphur-lemon, bright golden yellow, light orange, beautiful salmon shades from tender salmon to deep salmony orange. Even varieties with different-colored zones, such as white with a broad sulphur-yellow zone around the black disc, or soft salmon with a deep salmony red inner circle, are frequent, and thus enhance the beauty of these new hybrids. They are very easily grown, and we feel sure will become very popular. Pkt. 25 cts., 1-16 oz. \$1.

Gaillardia Lorenziana, The Bride. The annual Gaillardias have always been very popular, more especially the double Lorenziana, and we feel that the variety that we now offer as "The Bride" will be much sought after. The flower is white, very double, and borne on very long stalks, making it an ideal plant either for bedding or cut blooms. Pkt. 25 cts., 5 pkts. \$1.

Gerbera Jamesoni, Transvaal Daisy. The scarlet Marguerite. Very distinct; fine either for outdoor or indoor growing. Half-hardy perennial, with brilliant flowers all summer. Pkt. (25 seeds) 25 cts.

Gerbera Jamesoni hybrida. This beautiful novelty was first raised by Mr. Lynch, curator of the Botanic Gardens, at Cambridge, England. Mr. Lynch added to the brilliant orange-scarlet of the type a series of fine new colors, including rose, pure yellow, orange, salmon, cerise and ruby-red to violet. This variety is somewhat harder than the parent form, and its beautiful, starry flowers are borne on long, rigid stalks, rendering them most admirably suited to all kinds of floral decoration. It is recommended when sowing to place seed with pointed end upward and just peeping above the surface of the soil. Pkt. 35 cts., 3 pkts. \$1.

Gypsophila paniculata, fl. pl. A double form of the popular *Gypsophila paniculata*. Up to the last two or three years, the double Gypsophila had always been propagated from cuttings and roots, but the demand from florists and private gardeners became so great, that many of the leading seed-growers vied with each other in the attempt to develop a double variety which could be raised from seed. This new variety is the result. Will produce about 50 per cent of the finest pure white, double flowers, borne on long stems clothed with "misty" foliage. Pkt. 25 cts., 5 pkts. \$1.

Lavatera splendens, Sunset. We have for some years been improving these beautiful varieties of Mallow. This new variety, "Sunset," we claim to be a great advance on any Lavatera yet introduced, the charming brightness of its color, a very deep rose-pink, being most effective. The habit of the plant is also an improvement on any other variety in commerce, growing to a height of 2 to 2½ feet, and more compact. As a cut-flower, it lasts a long time. Pkt. 25c., 5 pkts. \$1.

NOVELTIES AND SPECIALTIES IN FLOWER SEEDS, continued

Maurandia Purpusii. This new strain is in appearance very different from the old Maurandias. The plants grow about 2 feet high and for two months are simply covered with large, handsome flowers of violet-lilac. The best results will be obtained by growing in rather poor, sandy soil. Purpusii was discovered in the mountains of Mexico by Dr. Purpus, the famous botanist. Pkt. 25 cts., 5 pkts. \$1.

Marigold, Giant-flowered African. This strain of Marigold has been brought about by careful selection on the part of our growers, and those wishing unusually large flowers of this very charming annual will not be disappointed by giving these a trial.

Giant Show Lemon. Pkt. 25 cts.

Giant Show Orange. Pkt. 25 cts.

Myosotis ameliorata nana compacta. Forget-me-not.

This is a cross between "Ruth Fischer" and "Indigo." The color is true Indigo, and the plants retain the splendid bedding qualities of Ruth Fischer. In habit the plants are very compact and become simply smothered with bloom. A bed of these plants has a splendid effect. Also fine for forcing. Pkt. 25 cts., 5 pkts. \$1.

Nasturtium, New Giant-flowering Tall.

The plants are strong and vigorous, with very large, bright green leaves, measuring from 5 to 8 inches across. The flowers, which are very numerous, measure 3 inches in diameter, and are borne on long stems well above the foliage. They are exquisitely formed, with overlapping, crinkled petals. They are produced in great numbers and have a most striking effect. Their fine color, long stems, great size and esthetic form make them valuable for cutting. Mixed. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts., lb. \$1.50.

NEW GIANT-FLOWERED DWARF NASTURTIUM. Mixed. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.

Pentstemon, S. & W. Co.'s Giant Hybrids.

Mixed. This beautiful strain of these perennials has been secured by constant selection. The size is much larger than any existing variety, and for beauty of flower they are unparalleled. They furnish an abundant amount of cut-flowers in summer-time. Sow seeds under glass in early February. Pkt. 25 cts., 5 pkts. \$1.

Petunia, S. & W. Co.'s Pink Beauty.

This is a grand acquisition to the single bedding Petunias. Color a beautiful, brilliant rose-pink, throat lightly suffused yellow. The flowers are very large and of handsome form. Of very rapid growth and continuously in bloom. Many who have grown this Petunia in beds, borders or rockeries proclaimed it the best they have ever seen. Pkt. 15 cts., 1-16 oz. \$1.

Primula malacoides (The Giant Baby Primrose). The flowers measure ½ to ¾ inches across, and the plants branch very freely. The flowers are of a pretty light lilac, are borne in whorls on stems which are graceful and strong. If grown in a greenhouse can be had in bloom in four or five months after sowing. A most delightful plant for table-decoration. Pkt. 35 cts., 3 pkts. \$1.

Primula malacoides alba. This beautiful new variety is a welcome addition to this type of Primula. All those who have grown Malacoides have been pleased, making the white variety a strong favorite. Makes a charming combination with the lilac form. Pkt. 35 cts., 3 pkts. \$1.

Pyrethrum, Comet-flowered. A selection of the useful and extremely free-blooming perennial Pyrethrums. The flowers are large (2 or 3 inches across), either single or semi-double, and of the most bizarre form, the petals being rolled, twisted, or sometimes tangled together. A similar range of color will be found in these fine comet-flowered Pyrethrums as among the ordinary type, i. e., from pure white through flesh-color and rose to brilliant carmine and blood-red. They will certainly furnish excellent material for cutting. Pkt. 25 cts.

Salvia, New Bouquet Rose. A splendid new variety with beautiful carmine-rose flowers. The individual blooms are very long, being fully half an inch longer than any of the red varieties. Makes an ideal cut-flower. Pkt. 25 cts., 5 pkts. \$1.

Sweet William (Double Salmoneus).

One of the finest introductions of recent years; very strong-growing plants making large clumps the first flowering year; the blooms are very large and of fine double form; color is beautiful bright salmon. Should be in every perennial garden. Pkt. 25 cts., 5 pkts. \$1.

Verbena grandiflora, Helen Willmott

A very pretty, bright salmon-rose, with white eye. The seed produces plants with a small percentage of varied shades, and very fine both in color and size. We anticipate a great demand for this novelty. Pkt. 25 cts., 5 pkts. \$1.

Vinca rosea delicata. With this new *Vinca rosea delicata* appears a new variation in this plant. A tender purple-carmine, melting to the margins, adorns the large, long-tubed flowers. Sown in February, this *Vinca* forms, in the month of June, rich-flowering bushes, which can be employed for bed-planting in the gardens. Cultivated in pots and twice pinched, it furnishes excellent decorative plants for conservatories. Pkt. 25 cts., 5 pkts. \$1.

Zinnia, Giant Double-flowering. This is a type of *Zinnia* which has never been excelled for size. One of our customers brought us a bloom, grown from seed started in the open, measuring 6 inches in diameter. We can strongly recommend this over any existing varieties of double Zinnias. Plants grow about 2 feet high. We can supply it in the following colors; Giant White, Giant Crimson, Giant Rose, Giant Scarlet, Giant Yellow, and Giant Mixed. Pkt. 25 cts., oz. \$2.



Giant Double-flowering Zinnia

Our list of Novelties and Specialties in Flower Seeds contain many of the best introductions of the home and foreign growers. Our list of Cannas, Dahlias and Gladioli is replete with the best varieties of recent introduction.



SPENCER SWEET PEA, ETTA DYKE, NOW HAS A RIVAL IN KING WHITE

S. & W. CO.'S EXHIBITION SPENCER COLLECTION

Those desiring high-grade exhibition Sweet Peas will find the following thirty, classified under the colors and shades, the best for exhibition purposes.

Bicolor

APPLE BLOSSOM SPENCER. Similar to Apple Blossom in the Grandiflora type. Some of the flowers deeper than others. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25.

BLANCHE FERRY SPENCER. Giant flower of Spencer form, with rose standard and white wings. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25.

Blue

MARGARET MADISON. Clear azure-blue; a flower of sterling qualities. Pkt. 25 cts., 5 pkts. \$1.

CAPTAIN OF THE BLUES SPENCER. Bright purple, margin of the petals are marbled. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

FLORENCE NIGHTINGALE. The color is a most charming, soft, clear, rich lavender, which is enlivened by a faint sheen of soft pink. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Blush

ELFRIDA PEARSON. This magnificent Sweet Pea has caused a sensation wherever exhibited this year. The color is a pale pink on white ground. Pkt. 25 cts., 5 pkts. \$1.

MRS. HUGH DICKSON. One of the best cream-pink Sweet Peas. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

MRS. ROUTZAHN. A beautiful blending of straw-color, tinted with blush-pink and shading to apricot at the edges. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Carmine

GEORGE HERBERT SPENCER. Bright rosy carmine. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Crimson

MAUD HOLMES. A splendid, sunproof crimson. Pkt. 25 cts., 5 pkts. \$1.

KING EDWARD SPENCER. A variety that seems to stand well in the ranks of good crimsons. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Picotee-Edged, White Ground

DAINTY SPENCER. A large Spencer; white, with a beautiful picotee edge of rose-pink. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Picotee-Edged, Cream Ground

MRS. C. W. BREADMORE. Cream-buff ground beautifully edged rose-pink. Pkt. 25 cts., 5 pkts. \$1.

Primrose

PRIMROSE SPENCER. The finest primrose; our stock is an extra-selected strain. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Pink

COUNTRESS SPENCER. A deeper pink than Elfrida Pearson; with few rivals. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Salmon Shade

STIRLING STENT. Deep salmon, suffused with orange; quite the best. Pkt. 25 cts., 5 pkts. \$1

Rose

MARIE CORELLI. Bright carmine-rose; large flower; splendidly waved. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Lavender

MASTERPIECE. A splendid lavender Spencer, slightly tinted mauve. Pkt. 25 cts., 5 pkts. \$1.

ASTA OHN. A beautiful, soft pinkish lavender self, one that finds its way into all exhibition collections. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Maroon

NUBIAN. A beautiful deep chocolate self; one of the best. Pkt. 25 cts., 5 pkts. \$1.

OTHELLO SPENCER. A large and distinct dark maroon. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Mauve

TENNANT SPENCER. A beautiful purplish mauve; large flower. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25.

Orange-Pink

HELEN LEWIS. Quite the best of the large-flowered orange-pinks. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Orange-Scarlet

THOMAS STEVENSON. A very striking variety of brilliant orange-scarlet; flowers of large size and excellent Spencer form; one you should grow, however limited your collection may be. Pkt. 20 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.

Striped and Flaked

LOYALTY. This is the best dark blue-striped Sweet Pea on the market. The ground color is white, striped and flaked with blue. Pkt. 25 cts., 5 pkts. \$1.

AURORA SPENCER. Flowers white, mottled and flaked with bright orange-pink. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25.

SENATOR SPENCER. A very large and attractive Spencer Sweet Pea. Chocolate and seal-brown striped, flaked and mottled on ivory-white. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

White

KING WHITE. While we have not seen this in flower in our own country, one of our firm observed some exhibited in England at the Chelsea Spring Flower Show and pronounces it as a white variety of decided sterling qualities. Pkt. 25 cts., 5 pkts. \$1.

ETTA DYKE. A grand white, of excellent Spencer type. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

WHITE SPENCER. A splendid white, of fine exhibition form. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

COLLECTION: One packet each of 30 varieties, \$5

Recent Novelties and Specialties in Vegetable Seeds

Bean, Masterpiece

A dwarf, green-podded Bean introduced in 1910 by Sutton & Sons. This Bean has few rivals in general all-round qualities. The plant is of splendid constitution, a quick grower and very prolific, the Beans attaining over 7 inches in size, tender, straight, entirely stringless, very meaty. As a quick grower, Masterpiece will be a desirable addition to the varieties adapted for pot culture, and as an exhibition sort it has few equals. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 75 cts.

Cabbage, Copenhagen Market

The best of all early Cabbage. Stands longer without bursting than other early sorts. It is with pleasure and confidence that we offer this new early Cabbage, knowing it will give perfect satisfaction wherever grown, both as to quality and yield. Everyone familiar with the Cabbage knows the old and popular Danish Ballhead, the best of all the late Cabbages. This new extra-early variety, ripening with Charleston Wakefield, also originated in Denmark, and is as good, in its class, as the old favorite Danish Ballhead. The stem is short, the head round and solid. When ready for cutting, Copenhagen Market is the heaviest of the extra-early varieties, and if left until fully mature, frequently weighs eight to ten pounds. The leaves are small, compact and close to the head, so it will stand close planting. The inside is fine-grained, tender, pure white and compact. Will become a leader in the home-garden and market. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.40, lb. \$5.

Carrot, S. & W. Co.'s Improved

Long Red Surrey

A great improvement on the various types of Long Orange Carrot, obtained by a careful selection for successive years of the best-formed and deepest-colored roots; it is larger, better flavored, of a deeper orange-color, and more certain to produce a crop than any type of long Carrot; flesh very sweet and tender; very productive, and never becomes hard or woody at the heart. The roots grow very regular and smooth; they are of good size, being from 6 to 8 inches in length and 2 inches in diameter at the top, tapering gradually from the shoulder to the tip of the roots. In color, shape and size this is the ideal sort for a market-gardener's late crop, and it will always bring the highest prices in market. On account of its prolific growth it will prove a most profitable Carrot. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Carrot, Sutton's New Red Intermediate

This excellent Carrot needs no recommendation. It is handsome in form, and as it is of fine color and texture it is well suited for exhibition. In flavor this Carrot has no superior, and for all the purposes to which Carrots are put it will be found one of the most desirable ever listed. These qualities also commend it as a most profitable market variety, as Carrots of this type are always eagerly sought for and bring the highest prices. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Corn, Early May-flower

Is fully a week or ten days earlier than White Cory; and when we say that in size of ear, tenderness and sweetness of the kernels it is very noticeably superior to White Cory, we think we have said enough to indicate that the variety has distinct merits. The ears are long and well filled from tip to butt with large, tender, fine-flavored, white kernels. $\frac{1}{2}$ pt. 20 cts., pt. 30 cts., qt. 50 cts., pk. \$3.50.

Celery, S. & W. Co.'s Invincible White

A Celery that has proved to be one of the best varieties for exhibition and culinary use. It can be grown for exhibition to enormous size without running to seed or losing its fine qualities. When prepared for the table, it is handsome in appearance and the stalks are crisp, tender, free from strings and of extra-fine flavor. Pkt. 25 cts., 5 pkts. \$1.

Leek, S. & W. Co.'s Exhibition

A splendid Leek for exhibition purposes. Thick, pure white stems. This Leek has been grown by a special grower, and is the finest it is possible to procure. It is of finer flavor than any Leek we have ever seen. Pkt. 25 cts., 5 pkts. \$1.

Lettuce, Reliance

This excellent Lettuce deserves to be largely grown. Of its many good qualities perhaps the best is the remarkably long time it will stand before bolting to seed, outlasting most other varieties in this respect. It is early, very hardy, and may safely be sown at any season. It makes a large, firm, compact Lettuce with almost an entire absence of loose outside leaves. The color is a pleasing pale green, the outer leaves slightly touched at the edges with a delicate tinge of red. The leaves are of a particularly silky texture, but at the same time exceedingly crisp and sweet and of extraordinarily fine flavor. This is in every way a first-class variety, and one that is certain of great popularity when properly known. Pkt. 15 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Selected Forcing Muskmelon, Sutton's Royal Jubilee

A splendid, oval, green-fleshed melon, raised at the Royal Gardens, Windsor. Skin almost white, handsomely netted. Forcing Muskmelons are grown very extensively in England, and are always in great demand. The flesh is tender and of the most exquisite flavor, while the seed cavity is small, and the melons ripen evenly clear to the skin. One of our patrons grew this melon and produced them weighing nine pounds. Our own seed, saved from specimen fruits. Pkt. of 25 seeds, 50 cts.

S. & W. Co.'s Invincible White Celery



Copenhagen Market
Cabbage

Onion, Gigantic Gibraltar

This Onion, introduced some years ago by W. Atlee Burpee & Co., of Philadelphia, is worthy of a trial. Our observation of this variety is that while it does not come up to the ideal shape of Ailsa Craig, being somewhat more flattened, it seems to have a longer growing season. This Onion has been exhibited at a number of the autumn flower shows this year; in some cases they weighed three and one-half pounds, and were quite the largest we have ever seen. While this maximum size may be more easily attained in such sections as Lenox, Mass., comparative tests show that from an exhibition standpoint its longer period of growing warrants a trial against the favorite Ailsa Craig. It is somewhat similar in appearance to Prizetaker, except that it is lighter in color and, while larger in size, is a splendid keeper of decidedly mild flavor. Intending exhibitors at the fall, 1914, flower shows should include this variety in their seed order. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Parsley, S. & W. Co.'s Exhibition Curled

This Parsley is recognized as a splendid exhibition sort. It is remarkable for its fine leaves and close habit. In flavor it is finer than that of any known root, and very tender. The seed offered has been saved from exhibition plants only, every one of which is a perfect specimen. For garnishing the exhibition table, this will be found one of the best. Pkt. 25 cts., 5 pkts. \$1.

Parsnip, S. & W. Co.'s Selected

A splendid Parsnip for exhibition purposes. This variety, grown by a very successful exhibitor this fall, was pronounced quite the best of five varieties sent for exhibition purpose. It is superb in form, of a beautiful pearly white color. Pkt. 25 cts., 5 pkts. \$1.

Early Pea, Little Marvel

A first-early Pea of the finest quality, better than American Wonder or Nott's Excelsior. The vines of dwarf, even growth average 15 inches high, and are heavily set with fine pods, usually in pairs. The pods average $2\frac{1}{2}$ inches in length, are square at the bottom, and are well filled with quite large, deep green Peas. Ready for picking fully as early as American Wonder, but the pods are larger and the vines bear a much heavier crop. All who desire a fine crop of an early, choice variety of Peas will be delighted with Little Marvel. $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., pk. \$2.75.

New Pea, Early Round Saxonia

The first improvement on the early round Peas. The one objection to this class has been the poor yields in comparison to the later sorts. In Saxonia this objection has been entirely removed, as this Pea yields as abundantly as any of the later sorts, and cannot be surpassed by any other Pea for earliness. The pods are double the size of the First-of-All; they appear mostly in pairs and full of large, fine-flavored peas. The vines grow about 2 feet high, and are healthy and vigorous. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25.

Potato, Early White Albino

This wonderful new, early Potato is a good cropper. The skin and flesh are extremely white, of exceptionally good cooking quality and very prolific, fully as early as the old Early Rose in maturing, and particularly valuable for the early market by reason of its fine shape and early maturity. The vines grow erect, and it is one of the best early varieties to withstand blight and disease. Plant this Potato early in good soil and give it good cultivation, and pleasing results are sure at harvest time. One grand thing in favor of this early Potato is its great keeping quality. Pk. \$1, $\frac{1}{2}$ bus. \$1.90, bus. \$3.50, bbl. \$8.

Potato, Green Mountain, Jr.

NEW WHITE SEEDLING

It is practically thoroughbred or pure bred. It has all the parents' good qualities and in general appearance is the same, except it is a trifle whiter in color and the skin more netted. It grows round to oblong, somewhat flattened; eyes shallow. Soon after the stalks appear above the surface they branch very much, the broad, dark green leaves lying close to and completely covering the ground, which will kill weeds and grass and have a tendency to hold moisture. It will make a vigorous, rapid growth, set a large number in the hill and mature to the best marketable size a few days earlier than its parents. Cooking quality excellent. In our trial-grounds it gave a yield at the rate of 640 bushels to the acre. Per 4 qts. 50 cts., 8 qts. 90 cts., $\frac{1}{2}$ bus. \$1.60, bus. \$2.75, bbl. \$7.

Spinach, New Zealand

This plant is grown to supply the place of the ordinary Spinach during the hottest months of the year, or in dry, arid localities where ordinary Spinach does not grow well. The seed is sown either in a hotbed or open ground during May, where the plants are to stand, and the plants will continue to yield a supply of leaves during the entire summer. The leaves are eaten boiled and minced like ordinary Spinach. It might be called "Cut-and-Come-Again" Spinach, as it is a continuous bearer. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.



Potato, Green Mountain, Jr.



Field of Improved Black Wax Beans

Stumpp & Walter Co.'s Vegetable Seeds

It has always been our endeavor to list only such sorts of Vegetable Seeds as, from our tests, we have found to be of superior merit; and, while we have in many instances not listed certain varieties, which have been stricken out on account of being out of date, we have in every instance listed a superior sort which we can recommend as being most satisfactory both for the market- and home-garden.

WE STRONGLY RECOMMEND ALL VARIETIES LISTED IN BOLD TYPE

ARTICHOKE

One ounce will produce 500 plants

Large Green Globe. The well-known French vegetable. The undeveloped flower-heads when properly prepared make a most delicious dish. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.
Jerusalem. Roots, see page 36.

ASPARAGUS

One ounce will plant about 50 feet of drill

Conover's Colossal. A mammoth green sort of the largest size and of good quality. The best of the old kinds. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 40 cts.

Columbian Mammoth White. A sport from Conover's Colossal. It produces pure white shoots and requires no artificial blanching. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

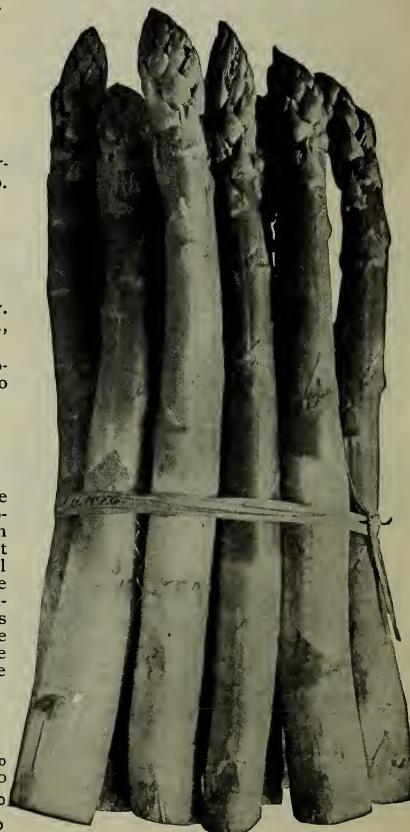
ASPARAGUS ROOTS

Culture. The demand for Asparagus as an early spring vegetable is becoming quite popular. An Asparagus bed intended for family use can be quickly established by the planting of our **Mammoth Roots**, which should be set out in the spring in rich soil. Dig a trench about 2 feet deep and 1 $\frac{1}{2}$ feet wide, and fill in to about one foot from the surface with well-rotted manure. On this put about six inches of good garden soil and lay the roots 18 inches apart, then fill up, leaving the crown about 4 inches below the surface. In placing the crown in the ground be sure to see that the roots are well separated, thus permitting them to become feeders in every direction. A good plan to follow is to have the rows about 4 to 5 feet apart, thus permitting of easy cultivation as soon as the Asparagus shows above the soil. To get best results, Asparagus should not be cut until the second year. A good method of cultivation is to work in a liberal supply of manure after the first spring cutting.

Conover's Colossal, Columbian Mammoth White and Palmetto

	100	1,000
Selected One-Year Roots, any of above varieties	\$0 75	\$6 00
Extra-choice Two-Year Roots, any of above varieties	1 50	10 00
Mammoth Three-Year Roots, any of the above varieties	2 50	20 00

FORCING CROWNS, see page 35



Conover's Colossal Asparagus

LIMA BEANS (Pole)

One quart will plant 100 hills

CULTURE.—Lima, or Shell Beans are not to be planted too early or they will rot; May 20 to June 1 in the latitude of New York is about right. Put five or six seeds in hills three to four feet apart each way, placing them edgewise with the eye downward and covering two inches deep. They require a pole seven feet high, and a nice warm loam. Pinch back when the vine reaches the top of the pole and the yield will be increased. They may be started early under glass in small boxes, and transplanted about the time the seeds are usually planted. Limas are the most popular table bean; surplus stock may be ripened and dried for winter use.

S. & W. Co.'s Green-Seeded.

The vine is very strong, of vigorous growth, with many large runners or branches, producing a great many fine pods which are closely filled with large beans. In shape these beans are similar to Burpee's Improved. The pods contain from three to four beans, a large proportion containing four. This is a broad-seeded Bean, much thicker than the ordinary Pole Lima. It is a plump, well-developed seed and comes nearer to having every bean perfect than any other Pole Lima. The green tint is a distinctive feature of this Bean, for it retains this tint in the dry state to a greater extent than usual, which indicates the fine qualities which it possesses, being fine-flavored and more tender when cooked than white-seeded Beans, and making it more pleasing to gardeners and housekeepers. It is the most perfect Pole Lima. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.50.

Challenger, or

Potato.

Early and very productive. Quality the best. Pkt. 10 cts., pt. 20 cts., qt. 35c., pk. \$2.

Large White. Large, greenish white beans, of finest flavor, shelled green and also good dried for winter use. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.

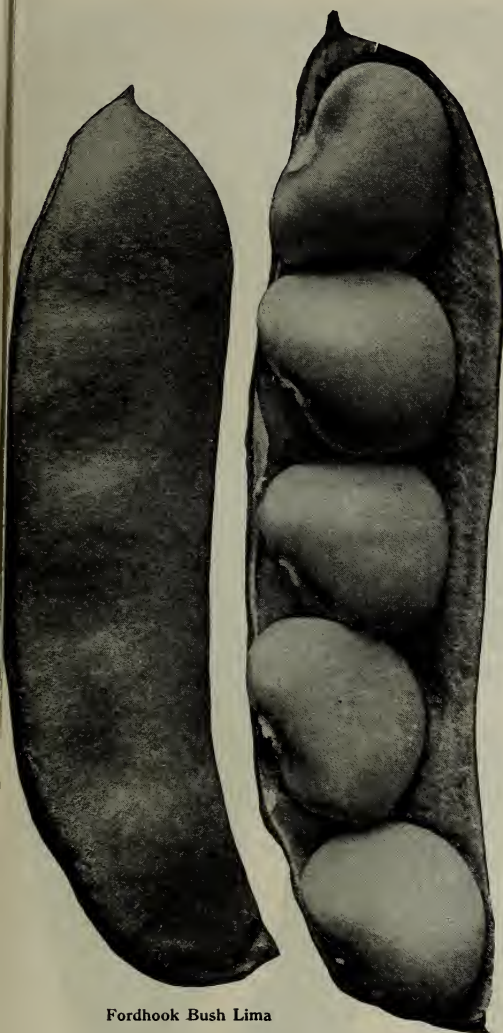
Ford's Mammoth.

Without exception, the largest-podded, finest-flavored and most productive of all Lima Beans. ½ pt. 15 cts., pt. 25 cts., qt. 45 cts., pk. \$3.

Early Levia-

than.

One week earlier than any, two weeks earlier than most. ½ pt. 15c., pt. 25 cts., qt. 40 cts.



Fordhook Bush Lima

LIMA BEANS (Dwarf Bush)

One quart will plant 100 feet of drill

Plant in light, rich soil, in drills 2 feet apart, dropping the seeds about 1 foot apart in the row and cover 2 inches.

New Improved Bush Lima.

Similar to Burpee's Bush Lima except that pods are larger in size and are well filled with larger and thicker beans. A far greater producer, growth more vigorous, the blossom-bearing stalks are thrown well out of the foliage, and are ready for picking a full week earlier. Pkt. 15 cts., pt. 30 cts., qt. 50 cts., pk. \$3.

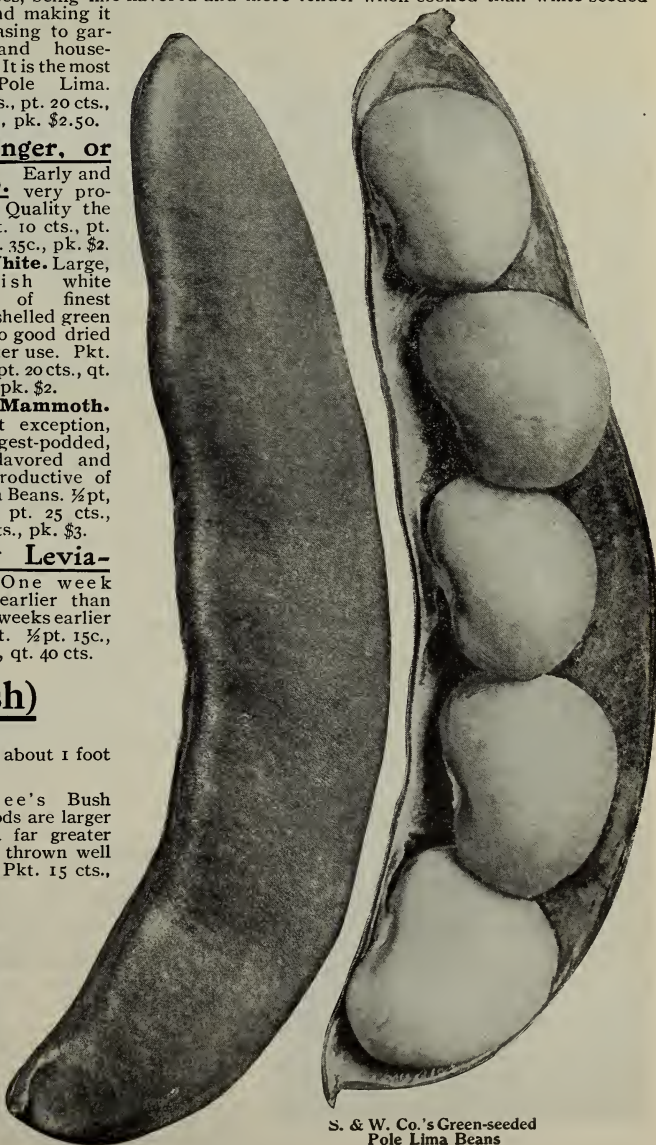
Fordhook.

A more erect form of the popular Challenger or Potato Lima, and ten days earlier. Both pods and beans are almost twice the size of the Kumerle or Dreer's Bush Lima. Pods measure 4 to 5 inches, frequently containing four fine beans of the finest flavor. Pkt. 15 cts., pt. 25 cts., qt. 40 cts., pk. \$2.50.

Henderson's Bush Lima. Early and very productive. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25.

Burpee's Bush Lima. A bush form of the large Pole Lima, the beans being large and flat like those of that variety. Productive and good. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Dreer's Bush Lima. The bush form of Dreer's Improved Lima, the beans growing close together in the pods. Pkt. 10c., pt. 20 cts., qt. 35 cts., pk. \$2.25.



S. & W. Co.'s Green-seeded Pole Lima Beans

DWARF or BUSH BEANS

One quart will plant
100 feet of drill

CULTURE.—Plant about the first of May in rows, placing the seeds 4 to 5 inches apart in drills and about 2½ inches deep. The rows should be about 2½ feet apart, and the soil slightly hilled, to insure good drainage and keep the Beans from touching the ground. Most Beans should be picked when about 4 inches long. Frequent pickings insure a more prolonged bearing season. Avoid jerking the plant, as this frequently disturbs young feeding roots. Use the finger-nails to sever the stems. Do not pick when bushes are wet, as this may cause blight and rust. For succession, plant every two weeks up to August 1.

GREEN-PODDED BEANS

Packets or half-pints of the following varieties, 10 cts. each, postpaid

Bountiful. To this Bean belongs the distinction of being one of the best **flat, green-podded bush Beans**; very prolific and a continuous bearer from early spring to late fall. It is absolutely stringless, tender and of delicious flavor. Is as entirely stringless as the breeder has been able to make a flat, green-podded Bean. Its pods contain a little more fiber than Stringless Green-Pod of like age, but they average large and are entirely stringless until they become longer than 5 inches. By far the earliest of all the bush Beans. Pt. 20 cts., qt. 35 cts., pk. \$1.75.

Stringless Green-Pod. This Bean remains among the very best first-early round-podded bush Beans. A very free bearer, entirely stringless, averages 5 inches long and is slightly curved. A handsome sort, borne on a healthy plant which stands dry weather well. Pt. 20 cts., qt. 35 cts., pk. \$1.75.

Giant Stringless Green-Pod. Pods greatly resemble those of Stringless Green-Pod. Fully an inch longer in size but not quite so early. A variety that is largely grown for the market on account of its size and splendid shape. Splendid sort for succession when planted with Stringless Green-Pod. Pt. 20 cts., qt. 35 cts., pk. \$1.75.

Black Valentine. A Bean which has been planted extensively in the South on account of its heat-resisting qualities. Matures early, producing long, round, straight pods, which are tender when quite young. Few Beans are greater yielders. Pt. 20 cts., qt. 35 cts., pk. \$1.75.

Early Red Valentine. This variety is valuable on account of its earliness. Pods very fleshy, round and saddle-backed, with slight strings. Bushes grow uniformly about 15 inches in height and produce a large crop. Pt. 15 cts., qt. 30 cts., pk. \$1.60.

Early Long Yellow Six Weeks. The pods are flat, 6 inches long; light green; very little flesh; inclined to become stringy; splendid flavor if picked early. Pt. 15 cts., qt. 30 cts., pk. \$1.60.

Early Mohawk. Early, flat-podded Bean of sturdy growth. Pt. 20 cts., qt. 35 cts., pk. \$1.75.

Full Measure. A splendid, round-podded, stringless Bean. A good keeper and shipper. Pt. 20 cts., qt. 35 cts., pk. \$1.75.

Longfellow. An extra-early variety, producing long, round, green pods which are tender, brittle and stringless when young. Pt. 20 cts., qt. 35 cts., pk. \$1.75.

Refugee, or 1,000-to-1. One of the latest Beans. The pods are nearly round, light green, 5 inches long, tapering to a slender point; fleshy, brittle and mild in flavor, but with slight strings. Pt. 20 cts., qt. 35 cts., pk. \$1.75.

Refugee. Similar to the above, except that it is ready for picking ten days to two weeks earlier. Pt. 20 cts., qt. 35 cts., pk. \$1.75.

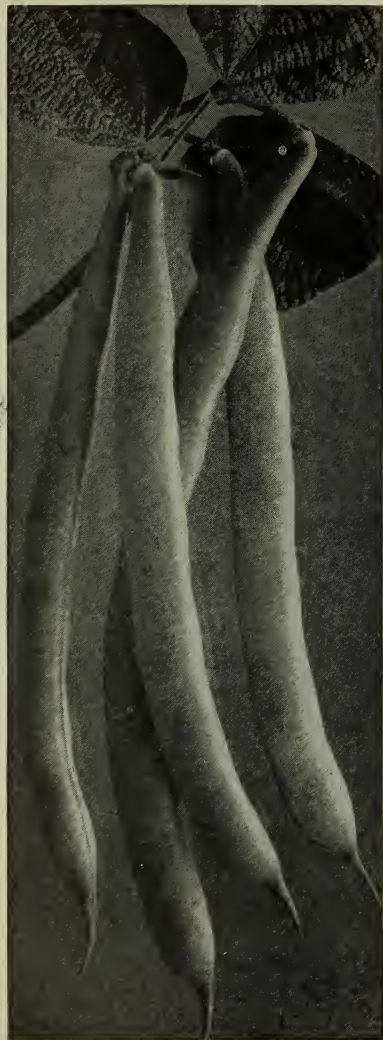
SHELL BEANS

Dwarf Horticultural. Pods are of medium length, cylindrical, curved, splashed with bright red on a yellowish ground. Surplus Beans not needed for use during summer make excellent soup or baking Beans for winter. Pt. 20 cts., qt. 35 cts., pk. \$1.75.

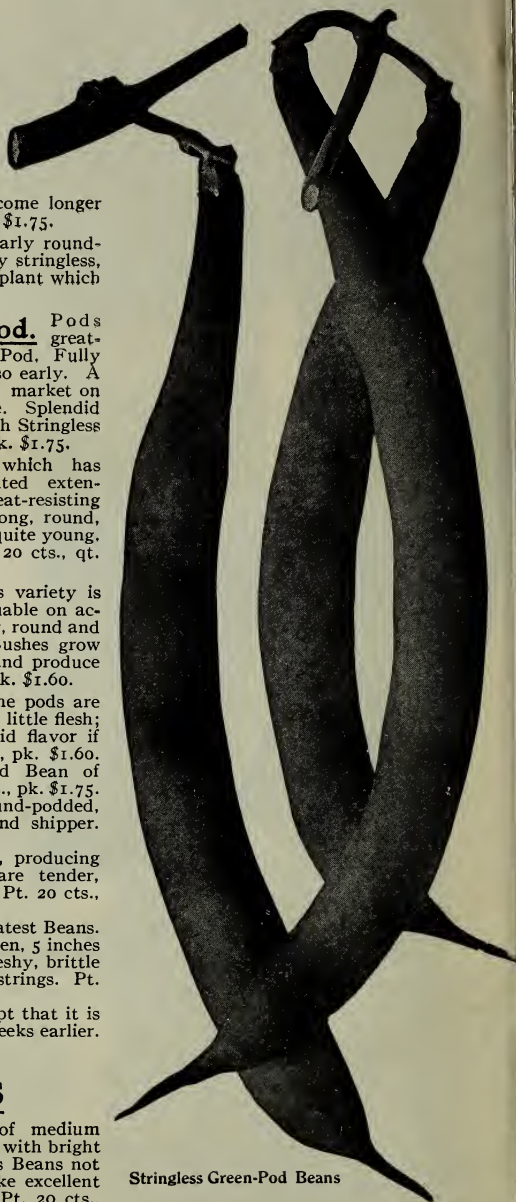
Large White Kidney. An excellent shell variety; fine for baking. Pt. 20c., qt. 35c., pk. \$1.75.

FORCING BEAN, S. & W. CO.'S WONDER

The finest Forcing Bean. Of good color, fine flavor and everything that can be expected in a good table Bean. One of our customers says regarding this Bean: "The Beans you gave me to try are a wonder. I sowed them February 3 in a solid bed without bottom heat, and picked from them March 20. The Beans average 5 to 6 inches, the vine is a very abundant bearer, and as for eating, I think it is the best Bean I have ever eaten." ½ pt. 20 cts., pt. 35 cts., qt. 60 cts.



Bountiful Beans



Stringless Green-Pod Beans



New Kidney Wax Beans

DWARF, or BUSH WAX-PODDED BEANS

One quart will plant
100 feet of drill

New Kidney Wax. More robust in growth and more prolific than the popular Wardwell's Kidney Wax,—with longer pods, which are more handsome in appearance, entirely stringless, more fleshy, and of much finer quality. The plants are of erect bush habit, reaching 18 to 20 inches in height. Even during wet summers the foliage is entirely free from blight, while the pods are free from rust, which badly affects many of the older varieties. The fleshy pods are flattened in form, from 6 to 7 inches in length, one-half inch broad and three-eighths of an inch thick; the color is a rich lemon-yellow. Under ordinary field culture the plants produce nearly twice the number of pods as the Wardwell's. The pods are remarkable for their meatiness, fine flavor, brittleness and absolute freedom from strings or tough fiber. Pt. 20 cts., qt. 35 cts., $\frac{1}{2}$ pk. \$1.20, pk. \$2.

New Hodson Wax. A distinct type of excellent quality, bearing enormous quantities of tender, fleshy pods of a creamy yellow color. The plant is vigorous, and comes into crop about two weeks later than the early sorts. The pods of this variety often measure 7 to 8 inches in length, and are remarkably free from spot or rust. Pt. 20 cts., qt. 35 cts., $\frac{1}{2}$ pk. \$1.20, pk. \$2.

Improved Black Wax. Perfectly round pods; very early and a good yielder. A Bean that is extensively grown and does not leave much to be desired as an early wax-podded sort. Pt. 20 cts., qt. 30 cts., $\frac{1}{2}$ pk. \$1, pk. \$1.75.

Brittle Wax. Without a doubt the earliest of all Wax Beans; also a great cropper. The bushes are remarkably hardy and extremely prolific, while the pods are fleshy and entirely stringless, often measuring $4\frac{1}{2}$ to 6 inches long. They are broad and, solid, tender, brittle and entirely stringless at all stages of growth. The pods have white seeds showing only a small black dot at the eye and where a surplus is allowed to fully ripen they make excellent shell Beans. Pt. 20 cts., qt. 35 cts., $\frac{1}{2}$ pk. \$1.20, pk. \$2.

Improved Golden Wax. Very early; flat, golden pods. Pkt. 10 cts., pt. 20 cts., qt. 30 cts., pk. \$2.

Davis Wax. A very hardy and productive variety, desirable where a wax-podded, white-seeded midseason sort is wanted. Vines very vigorous. Pods invariably long, $6\frac{1}{2}$ or 7 inches, light yellow, straight and handsome and when young are crisp and tender. Seed medium large, kidney-shaped, clear white and excellent for baking. Pkt. 10 cts., pt. 20 cts., qt. 30 cts., $\frac{1}{2}$ pk. \$1.15.

Wardwell Kidney Wax. Extra early; long, flat, pure waxy pods. Pkt. 10 cts., pt. 20 cts., qt. 30 cts., pk. \$2.

ENGLISH BROAD BEANS

Broad Windsor. The largest of the English Broad Beans, very tender and delicious. Pt. 20 cts., qt. 40 cts., $\frac{1}{2}$ pk. \$1.25, pk. \$2.

POLE, or RUNNING BEANS

One quart will
plant 100 hills

Wax- and Green-Podded Varieties

All packets contain a half pint, at 15 cents, postpaid

Improved Kentucky Wonder (Old Homestead). An improved sort of this well-known Bean. The pods are entirely stringless and of silvery green color, hanging in large clusters from top to the bottom of the pole. Pt. 25 cts., qt. 40 cts., $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

Golden Cluster. This is certain to be the leading Early Wax Pole Bean, as it is fully two weeks earlier than Golden Champion Wax. Pt. 25 cts., qt. 40 cts., $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

Horticultural, or Speckled Cranberry. Pods are tender and of

excellent quality; good as a snap as well as a shell Bean. Pt. 25 cts., qt. 40 cts., $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

Lazy Wife. The best late, green-podded, pole Bean. The pods are of a medium dark green; broad, thick, very fleshy and entirely stringless. Pt. 25 cts., qt. 35 cts., $\frac{1}{2}$ pk. \$1.15, pk. \$2.

Scarlet Runner. Bright scarlet flowers. Both used as a string and a shell Bean. Pt. 20 cts., qt. 30 cts., $\frac{1}{2}$ pk. \$1, pk. \$1.75.

White Dutch Runner. Beans large; flat pods. Pt. 25 cts., qt. 40 cts., $\frac{1}{2}$ pk. \$1.25, pk. \$2.25.

BEETS

One ounce will sow 100 feet of drill; 5 to 6 lbs. to the acre

CULTURE.—Seed should be sown the latter part of April. The ground should be spaded well and deep, placing rows about 18 inches apart, and the drills 1 inch deep. Cover the seed carefully and firm in the ground by walking over the drills. When seedlings appear about 3 inches above ground, thin out to about 4 inches between the plants so as to give ample room for the proper development of the bulbs. Beets are best for pulling when about 2 inches in size. Successive sowings may be made up to the middle of July.

Five Best Beets

Eclipse. An extra-early sort which produces Beets sixty days from sowing. Of uniform, dark rosy red; flat globe-shaped; easily pulled. Flesh, dark purplish red with rose zones; remains in table condition for ten days, when it becomes rather tough. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Crosby's Egyptian. One of the most widely grown turnip-shaped Beets in cultivation today. Will produce Beets ready for pulling within two or three days after Eclipse. The smooth, dark red roots are topped with light green foliage, which is prominently speckled with dark red. The flesh is carmine with white zones, and of uniformly sweet quality. Pkt. 10c., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Detroit Dark Red. Extended experience has shown that this Beet comes nearer the ideal than any, and where one variety is used this should be the first selection. The round, dark red globe roots are uniformly smooth. The flesh of the very young Beets is almost black-red, turning to dark crimson with dark purple zones as the Beets grow larger. When cooked, the Beets are of an appetizing dark red and very sweet. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Crimson Globe. A splendid midseason sort. In about seventy days from planting one-fourth of the Beets in the Crimson Globe row will be ready for table use. A peculiarity of this and the next variety is that the Beets do not all come to the eatable size at the same time, some growing faster than others, thereby lengthening the period of perfection. Flesh bright red with light purple zones. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Model Red Globe. A splendid-shaped Beet, about the same season as Crimson Globe. This forms symmetrical roots of dark red, that are models of smoothness. It grows quickly past the 2-inch size, and is good for a week to ten days in the overgrown stage. It differs from Crimson Globe in having almost purplish crimson flesh with little indication of zones. Pkt. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.



Detroit Dark Red Beet

Other Good Beets

Bassano. A good early turnip Beet; tender and juicy; flesh white and rose. Sown late, it keeps well into winter. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Extra-Early Egyptian. Grows extra quickly, producing flat, smooth turnip-shaped roots averaging 2 inches in diameter. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Edmand's Blood Turnip. Very regular in shape; deep blood-red and exceedingly sweet. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Half-Long Blood. An entirely distinct variety. The roots are symmetrical, somewhat pear-shaped, smooth and handsome; flesh a rich, dark red, very sweet, never becoming woody. Pkt. 15 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Sugar Beets and Mangels

See Root Crops, page 36.

CHICORY

Witloof, or French Endive.

The principal use of this variety in America is as a winter salad, and it is most delicious served with French dressing and eaten like Cos lettuce. The seed should be sown in the open ground not later than June, in drills 12 to 18 inches apart, thinning out the plants so that they will not stand closer than 3 inches. The plant forms long, parsnip-shaped roots, which should be lifted in the fall, cutting off the leaves about 1½ inches from the neck and shortening the roots by cutting off the bottoms to within 8 inches of the neck. The roots should then be planted in a trench 16 to 18 inches deep in a dark, warm cellar or under a greenhouse bench, and placed upright about 1½ to 2 inches apart, which will allow the neck of the root to come within 9 inches of the level of the trench. The trench should be filled with a light soil, and if a quicker growth is desired, this can be accomplished by a mulch of fresh manure about 2 feet deep. It requires about one month to force the roots, and the heads are cut off with a small portion of the neck of the root attached. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Common, or Wild (Barbe de Capucin). This is the variety from which is obtained the French salad, *Barbe de Capucin*. The roots should be transplanted into sand in a warm cellar. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Large-rooted Madgeburg. Cultivated for the roots. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

For French Chicory, or Endive, see page 21.

CRESS, OR PEPPER GRASS

One ounce will sow 100 feet of drill

CULTURE.—This popular salad should be sown early in the spring. The leaves are crisp, tender, and sharp in flavor. Sow at short intervals for succession, as it soon runs to seed.

Curled, or Pepper Grass. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.

True Erfurt Water Cress. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.



Chicory, Witloof

BRUSSELS SPROUTS

One ounce will produce about 3,000 plants

CULTURE.—Sow in May, in shallow drills, 1 inch deep and 12 inches apart. Transplant in July. When the crown, or top sprout is beginning to head, pinch it out, to admit of the whole strength being thrown into the side shoots. Very hardy. This is a delicious vegetable and should find a place in every garden; greatly improved by hard frosts.

Improved Dwarf. Compact heads of best quality. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

S. & W. Co.'s Favorite. New. Semi-dwarf, thickly covered with sprouts by the end of September; excellent. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts.

CHERVIL

One ounce will sow 150 feet of drill

CULTURE.—The curled Chervil is cultivated like parsley and used for garnishing and flavoring soups and salads.

Moss Curled Extra. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Turnip-rooted. Pkt. 10 cts., oz. 35 cts.



Famous Early Conical Cabbage

CABBAGE

One ounce will produce
about 3,000 plants

CULTURE.—Sow the early kinds in September, in shallow drills, 6 to 8 inches apart. When large enough to handle, transplant into a coldframe. Sow also in hotbeds in February and March, and in the open ground in April and May. The late varieties for fall and winter use sow in May, and transplant from the 8th to the 25th of July. Plant the early sorts 20 inches distant in a row and 2 feet between the rows; the later sorts 2½ feet each way. To be well grown, Cabbages require a deep, rich loamy soil. Our Cabbage seed is especially grown for us on Long Island, and we offer it as being of superior quality.

S. & W. Co.'s Famous Early Conical. An extremely early variety of conical form, quite distinct from any other on the market. An ideal variety for private garden, producing solid hearts sooner than other varieties and requiring less space than most kinds. Pkt. 10 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. \$1.50.

Early Spring. A new extra-early Cabbage, with a round, flat head, coming in with the Early Jersey Wakefield, and yielding one-third more on the same space of ground than any other extra early. Heads are of uniform size and are very solid when young. Pkt. 10 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. \$1.20.

Improved Early Jersey Wakefield. While this variety is not quite so early as S. & W. Co.'s Famous Early Conical, it has been long considered as the best early conical-type Cabbage which we have. The heads are hard and solid with just a few outside leaves, which are unusually thick, enabling them to stand cold weather when wintered in coldframe. Pkt. 10c. ½oz. 20c., oz. 30c., ¼lb. 85c.

Charleston, or Large-Type Wakefield. This type of Cabbage retains all the characteristics of the Improved Early Jersey Wakefield with the added advantage of greater size, where large-sized Cabbage is wanted in this type, either for market or private use. Pkt. 10 cts., ½oz. 20 cts., oz. 35 cts., ¼lb. \$1.

Danish Drumhead. Averages much larger size than the Ballhead; is about two weeks earlier; fine-grained, sweet-flavored, and the best Cabbage for winter use. Pkt. 10 cts., ½oz. 20 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.

Autumn King. We believe this to be one of the finest strains of Cabbage ever offered. It produces regular, even heads of enormous size; a magnificent cropper. Pkt. 5 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts.

Early Flat Dutch. A valuable early market variety; heads weighing about 10 pounds. Pkt. 5 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 75 cts.

Early Summer. Superior second-early variety; produces solid heads of fine quality. Pkt. 5 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 75 cts.

Large Late Drumhead. Very large, solid heads; standard variety for winter use. Pkt. 5 cts., ½oz. 10 cts., oz. 20 cts., ¼lb. 60 cts.

Large Late Flat Dutch. Without exception the best variety in cultivation for winter use; produces immense heads of the finest quality; splendid keeper. Pkt. 5c., ½oz. 10c., oz. 20c., ¼lb. 60c., lb. \$2.

Red Cabbage

Mammoth Rock Red. This is by far the best, largest and surest-heading red Cabbage ever introduced. The plant is large, with numerous spreading leaves. The head is large, round, very solid, and of a deep red color. The best Cabbage on the market. Pkt. 5 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts.

Savoy Cabbage

American Drumhead Savoy. None of the late-growing varieties can begin to equal in flavor this sort for family use; heads large, solid and a splendid keeper. Pkt. 5 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.25.

Early Dwarf Ulm Savoy. A very early and superior dwarf variety of fine quality. Pkt. 5 cts., ½oz. 10 cts., oz. 20 cts., ¼lb. 50 cts.



Selected Chantenay Carrots

CARROT

One ounce will sow
100 feet of drill

CULTURE.—To produce the finest crop, the land should be thoroughly manured the previous season; forked roots will result if the seed is sown on freshly manured soil. Sow the early sorts in March and April, in drills 1 inch deep and 14 inches apart; thin out to 6 inches. For main crop sow in May or beginning of June. Care should be taken, at all times, to see that soil is firm over the seeds, either by means of the feet, roller, or garden drill.

Selected Chantenay. A very splendid type of the half-long, stump-rooted Carrot. Averages 6 to 7 inches in length, broad at the neck, narrowing gradually to a blunt end. The flesh is rich orange-red, free from core, tender, fine flavored, and of excellent table quality. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Selected Danvers. A handsome, cylindrical-shaped Carrot of good size and stump-rooted. It is of a rich, dark orange color, grows to large size, is smooth, and has little core. It is a first-class Carrot for all soils, yields a greater weight per acre than any other variety, and is more easily harvested than the old long varieties. This selected stock we are now offering has been specially grown for market-gardeners and is sure to give satisfaction. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

S. & W. Co.'s Improved Long Red Surrey.

A great improvement on the various types of Long Orange Carrot obtained by a careful selection, for successive years, of the best-formed and deepest-colored roots. It is larger, better-flavored, of a deeper orange color, and more certain to produce a crop than any type of long Carrot; flesh very sweet and tender; very productive, and never becomes hard or woody at the heart. The roots grow very regular and smooth; they are of good size, being from 6 to 8 inches in length and 2 inches in diameter at the top, tapering gradually from the shoulder to the tip of the roots. In color, shape or size, this is the ideal sort for a market-gardener's late crop. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Sutton's New Red Intermediate. This excellent Carrot needs no recommendation. It is handsome in form, and as it is of fine color and texture, it is well suited for exhibition. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

Early Scarlet Horn. Favorite for early crop but not large. Sold largely in New York markets, bunched. It matures eight to ten

days earlier than the Long Orange, and is sometimes used for forcing. Per pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Early French Forcing. The earliest variety and the one largely grown for forcing purposes. It makes a small, almost globe-shaped root of an orange-red color. Per pkt. 15c., oz. 30c., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

Early Half-Long Scarlet Nantes. The skin is smooth, flesh red, and without any core or heart. It is excellent for forcing, and for fine quality and perfect shape can hardly be surpassed. Per pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.25.

James' Intermediate. This is certainly the best main crop Carrot. It is one of the most uniform in shape that we know, and where the soil is favorable, it will always grow clean and free from side roots. The core is small and very tender, and there is no indication of woody character at any stage of its growth. It is also entirely free from any coarse, rank flavor so common with many sorts. For private purposes it is ideal, and its yielding capacity is enormous, which, with its handsome color and fine appearance, makes it invaluable to truckers. Per pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Long Orange Improved. One of the most desirable for either garden or field culture. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Oxheart, or Guerande. A French variety of recent introduction and a decided acquisition. It is intermediate between Half-long and Horn varieties, and perfectly distinct. The shape is nearly oval and the color and quality all that can be desired. Per pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Selected Long Orange Improved. One of the most desirable for either garden or field culture; it grows to a large size, fair specimens averaging 12 inches in length and 3 inches in diameter at the top. All who have cattle should raise a surplus of this Carrot for feeding milch cows during winter. It increases the flow of milk and imparts to the butter a delicious flavor and a rich golden color. Per pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$3.



S. & W. Co.'s Best of All Cauliflower

CAULIFLOWER

One ounce will produce
about 3,000 plants

CULTURE.—Sow the first week in May and prick out on a rich piece of ground, transplant in July. For wintering under glass sow in the second and last weeks in September; transplant thickly into a cold pit or frame; give plenty of air in mild weather, and cover up well in very severe. Again sow in February in a hotbed and transplant in April. For Cauliflower the ground should be well prepared by trenching, incorporating at the same time a good share of rotten manure. Select new ground, if possible, as Cauliflower rarely succeeds on ground which has been cropped year after year with other kinds of vegetables. Plant in rows 20 inches apart and 2 feet between the rows.

S. & W. Co.'s Best of All. Easiest grown, surest header. It is of very dwarf, erect habit, with short outer leaves. Can be planted less than 2 feet apart each way. It is a sure header, every plant forming a large, solid, perfect head, of the finest table quality. Pkt 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{2}$ oz. \$1.75, oz. \$6.

Danish Dry Weather. This new variety of Cauliflower is specially adapted for sections subject to long dry seasons, as it will grow well and produce the finest heads in spite of the lack of moisture, which is required by other sorts. The heads grow to a large size, are very solid, pure white and of delicious flavor. It will prove valuable for growing in the southern states, where the climate is hot and long seasons of dry weather are experienced. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{2}$ oz. \$1.75, oz. \$3.

Early Dwarf Erfurt. This Cauliflower is an extra-early sort, of dwarf habit, and desirable for forcing or planting in the open ground. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{2}$ oz. \$1.25, oz. \$2.

Veitch's Autumn Giant. Pkt. 10 cts., oz. \$2.

Selected Early Snowball. This comes next to our Best of All. A sure-heading variety of dwarf habit, with short outer leaves, adapted for forcing under glass during winter and spring. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{2}$ oz. \$1.75, oz. \$3.

CELERY

One ounce will produce 3,000 plants

CULTURE.—Sow the seed in a coldframe or dry border as early as the ground can be worked, in drills 8 to 10 inches apart, covering the seed $\frac{1}{4}$ inch deep. When fairly out of the seed-leaf, they may be transplanted to another bed or thinned out to 5 or 6 inches apart, and let them grow until wanted for transplanting out into the beds or trenches. Early in July is the proper time to set out the plants in the trenches, or as soon after early July as possible; best results generally are obtained by setting out immediately after a rain. The trenches should be shallow, and wide enough to hold one or two rows. These rows should be 1 foot apart and the plants set about 8 inches apart in the row. As the plants grow, they should be earthed up to blanch them, care being taken not to let the earth get into the heart of the plant. For keeping over the winter, they can be either banked up with earth and covered over with litter to protect from frost where they have grown, placing boards on top to keep out the rain; or they may be taken up and blanched in a box in the cellar for winter use.



Paris Golden Self-Blanching Celery

BEST 4 CELERIES GROWN

Paris Golden Self-Blanching.

(Grown in France by the originator.) This strain of Celery somewhat resembles the White Plume variety, but is much superior. It is entirely free from the green tinge and does not grow soft or pithy as most strains of Self-Blanching do. Rich golden yellow, solid, and a splendid Celery for family or market-gardener's use. A very early variety and is acknowledged to be the best and most profitable Celery grown. Pkt. 20 cts., $\frac{1}{2}$ oz. 40 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$4.50, lb. \$16.

Improved White Plume Celery

is the most popular, as it is not necessary to bank up as is the case with other Celeries. It is tender and of the very best flavor, also presents a very ornamental appearance on the table. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

Perfection Heartwell.

The finest and largest of the winter sorts, either for the family or market-garden. The heart is golden yellow, and its crisp tenderness and delicious flavor are unequaled. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.

Winter Queen.

This is without doubt the most valuable variety of Celery for winter and spring use ever introduced, even excelling the celebrated Perfection Heartwell as a late winter keeper. It is also much stouter, thicker and heavier, with double the amount of heart of any known Celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream-white. Ribs perfectly solid, crisp and of a delicious nutty flavor. It is worthy of first place as a late Celery, and will keep longer than any other variety. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

Several Good Standard Celeries

Covent Garden Red. A splendid dark rose variety; large and of nutty flavor. Makes a handsome appearance on the table, and is very desirable. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.75.

Giant Pascal. This is a selection from the Golden Self-Blanching Celery. The stalks are very large, thick, solid, and crisp. It has a fine nutty flavor, and is free from any trace of bitterness. It blanches with but slight earthing up and retains its freshness a long time after being marketed. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

Improved Golden Heart. A selection from the old favorite Golden Heart Celery. Grown extensively for private use as well as for market. Improved Golden Heart is one of the finest late varieties. The heart, when blanched, is a rich golden yellow. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

CELERY SEED. This seed is not for sowing, and is used mainly for flavoring pickles, etc. Fresh and clean. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 90 cts.

CELERIAC (Turnip-Rooted Celery)

CULTURE.—A variety of celery with turnip-shaped roots, which are white-fleshed, tender and possess the flavor of celery stalks. Sow the seed in the open ground in April and treat the young plants the same way as celery.

Large Smooth Prague. Very large and fine; roots of superior quality. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Erfurt Giant. Very large and smooth root. Pkt. 5 cts., oz. 20 cts.



Winter Queen Celery



Sweet Corn, Metropolitan

Half-pints, Corn, postpaid
One quart will plant 200 hills

SUGAR CORN

Add 5 cents per pint and 10 cents
per quart, if wanted by mail

CULTURE.—Plant for succession of crops every three weeks, from April to July, in hills three feet apart each way, and six seeds in a hill; cover about half an inch; thin out to three plants.

EXTRA-EARLY VARIETIES

Golden Bantam. One of the sweetest Corns grown; the plant attains a height of only 3 to 4 feet, usually bearing two or more ears to the stalk. The ears are compactly filled with kernels which when ready for the table are cream yellow. Golden Bantam is one of the hardiest Corns grown, therefore can be planted earlier with safety than other varieties. This characteristic also adapts it to localities having cool summer weather, a continuous supply being maintained by successive plantings. ½pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25.

Peep-O'Day. One of the earliest of Sweet Corns. Grows about 3½ feet high. Bears nearly always two ears on a stalk, which measure about 5 inches in length and are well filled. ½pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25.

Howling Mob Is ready for use only three to five days later than the extra-early Cory when both are planted at the same time, but the ears are much larger in size, while the grains are much whiter and sweeter. As an early variety of large size, we cannot too highly praise Howling Mob. Pkt. 10 cts., pt. 20 cts., qt. 30 cts., pk. \$2.25.

Metropolitan. It is safe to say that there never has been on the market any one variety of Corn that combined the essential features of earliness and good flavor in a satisfactory degree. In these important characteristics, Metropolitan certainly outclasses any other variety. ½pt. 15c., pt. 25c., qt. 40c., pk. \$2.

Extra-Early Evergreen. Ten days earlier than the standard variety. ½pt. 10 cts., pt. 15 cts., qt. 25 cts., pk. \$1.50.

Minnesota. One of the earliest; ears small, but of fine quality. ½pt. 10 cts., pt. 15 cts., qt. 25 cts., pk. \$1.25.

Cory Early (Red Cob). The Cory is undoubtedly the earliest of all, and the very best extra-early Sweet Corn. Those desiring a first-early variety can make no mistake in planting the Cory. ½pt. 10 cts., pt. 15 cts., qt. 25 cts., pk. \$1.25.

Perry's Hybrid. Very early; ears of large size; valuable for market purposes. ½pt. 10 cts., pt. 15 cts., qt. 25 cts., pk. \$1.25.

White Cob Cory. An extremely early variety, usually fit to use in from fifty to sixty days from seed sowing. A sport or selection from the famous "Red Cob Cory" which for years held popular favor as the best first early. "White Cob" Cory retains all of the qualities of its parent, with the added merit of having a white cob and white kernels. ½pt. 10 cts., pt. 20 cts., qt. 30 cts., pk. \$1.75.

MEDIUM-EARLY VARIETIES

Stowell's Evergreen. Now recognized everywhere as a standard variety, both for home use and market, and is the general favorite. The ears are of large size, grains deep, exceptionally tender and sugary, and has the advantage of remaining longer in the green state than any other. Our stock has been carefully grown and selected to avoid the tendency to a shorter grain and deterioration in the evergreen character of this best of all medium sorts. ½pt. 10 cts., pt. 20 cts., qt. 30c., pk. \$2.

Crosby's Early Sugar. Standard early sort; ears good size; fine quality. ½pt. 10 cts., pt. 15 cts., qt. 25 cts., pk. \$1.25.

Early Mammoth. Very large and tender; similar to the Standard Mammoth variety, but much earlier. ½pt. 10 cts., pt. 15 cts., qt. 25 cts., pk. \$1.50.

LATE VARIETIES

Black Mexican. Very sweet and of fine flavor; grains black. ½pt. 10 cts., pt. 15 cts., qt. 25 cts., pk. \$1.50.

Late Mammoth. Immense ears and very sweet. ½pt. 10 cts., pt. 15 cts., qt. 25 cts., pk. \$1.50.

Country Gentleman. The Country Gentleman Corn retains its delicate tenderness and flavor even when a little old, as the ears are encased in a heavy husk, which tends to keep the ear "in the milk" for several days longer than other corns. The cob is unusually small and the pearly white kernels of great depth. ½pt. 10c., pt. 20c., qt. 40c., pk. \$2.

CUCUMBER

One ounce will plant
about 50 hills

CULTURAL DIRECTIONS.—The first planting should be made early in May, on partly spent hotbeds; inverted sods form an excellent medium for both planting on and carrying the young plants to their permanent location, or small paper pots can be used. Such plantings are usually ready for transplanting to the open ground in from three to four weeks, and are seldom troubled with the striped bug. Transplanting, when practical, should be done in the evening, into hills 4 feet apart each way. Thin out to about four plants to a hill when established. The seed may be planted in hills late in May, thus giving a succession. For pickles, plant during the last two weeks of June. Plaster dust, or an infusion of hellebore powder in water, will destroy the striped bug.

New Klondyke. This is a hybrid sort of the White Spine type, which holds its dark green color longer than most other sorts. Averages 6 to 7 inches in size; ends are quite square and it is about 2 inches thick. Its extreme earliness, combined with its prolific and hardy qualities, makes it a very desirable variety for either market or private use. An excellent sort for slicing. When small, this variety is also an excellent pickling sort. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Fordhook Pickling. One of the best and most prolific varieties for producing pickles of medium size for both home or market use. Vines are very vigorous, yielding a large number of fruits; remaining in strong, healthy, growing condition longer than any other known variety. The skin is very tender and remains so when pickled. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

New Davis Perfect Cucumber. In color, a dark, glossy green; shape slim and symmetrical, with an average length of 10 to 12 inches. The quality is fine, as the seeds are very soft when the Cucumber is fit for table use. The flesh is very tender and brittle, and of exceptionally good flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.50.

Cool and Crisp. An excellent pickling or slicing Cucumber, of good size, tender and crisp; very early and exceedingly prolific. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.



New Klondyke Cucumber

Green Prolific. The best variety for pickling; deep, rich green, very productive and of uniform small size. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 75 cts.

Extra-Long Green. A well-known standard variety about 1 foot in length, of most excellent quality, and when young makes the best of pickles. When ripe it is the best of any for sweet pickles. Vines vigorous and very productive. Our strain of this valuable sort is unsurpassed by any, being carefully selected from the best fruits. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

Improved Early White Spine. The fruits are nearly cylindrical in form, slightly pointed at the ends, perfectly smooth and of deep, rich coloring marked with distinct white lines at the blossom end. Will retain its color longer after pickling than most varieties, and is splendid as a table Cucumber. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

Japanese Climbing. Well adapted for pickling, as well as for slicing for salads. The great advantage of this variety lies in the fact that it can be trained on a pole or fence. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

White Wonder. The best white sort; it ripens early and is very productive. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

English Forcing Varieties

S. & W. Co.'s Improved Telegraph. A very dark green type of Telegraph Cucumber, which we have found, from our trials, to be superior of all other Telegraph varieties. Pkt. 25 cts.

Royal Osborne. Very prolific and of deep, rich green color. Pkt. 25 cts.



Cool and Crisp Cucumbers

Carter's Model. A very handsome variety, of fine form, with general characteristics of Tender and True, with the prolific habit and strong constitution of the Telegraph. Pkt. 25 cts.

Lord Kenyon's Favorite. A very fine variety. Pkt. 25 cts.

CORN SALAD

One ounce will sow
150 feet of drill

CULTURE.—Sow early in the spring, in drills, 1 inch deep and 10 inches apart. For main crop sow in August and September.

Large-seeded. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30c., lb. 60c.

DANDELION

One ounce will sow
about 100 feet of drill

CULTURE.—Sow in May, in drills 10 inches apart; thin out to 3 inches apart; cultivate during the season, and in the following spring the plants will be fit for use.

French Garden. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

GARLIC

One pound will plant
200 feet of drill

CULTURE.—Garlic is used for a variety of flavoring purposes. Plant the sets 6 inches apart in rows 1 foot apart. As soon as the leaves have turned, the crop is matured, and may be harvested like the onion.

Garlic Sets. Lb. 30 cts.

OUR ENGLISH FORCING CUCUMBER SEED IS SELECTED FROM BEST CUCUMBERS

EGGPLANT One ounce will produce about 1,000 plants

CULTURE.—Sow in a hotbed in February and March; when the plants are 1 and 2 inches high, transplant, or thin out, to 2 or 3 inches apart. When the weather is warm and settled, they may be planted out in a warm situation, 2 feet apart each way.

Black Beauty. Very much on the style of New York, only darker and smoother. Pkt. 10 cts., ½ oz. 25 cts., oz. 45 cts., ¼ lb. \$1.50.

Black Pekin. Produces very handsome jet-black fruit of superior quality. Pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

New York Improved Spineless. Extensively cultivated for both market and family use; it grows to a large size; very prolific and fine-flavored. Pkt. 5 cts., oz. 35 cts., ¼ lb. \$1.

ENDIVE One ounce will sow 200 feet of drill

CULTURE.—One of the most attractive of all autumn and winter salads. It is commonly known in restaurants as Chicorée, and is especially refreshing when served with lettuce with plain French dressing. Sow seed from middle of June till last of August. When the plants are fully grown, tie all the outside leaves together, over the heart, to blanch the inner leaves, which will take about a week. Do not tie up when the leaves are wet, as they will then decay.

Green Curled. Is the hardiest variety and has deep green leaves, that are finely crinkled and curled. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. \$1.50.

White Curled. Very tender when cut young; blanches readily. Very similar to Green Curled, but the leaves are naturally of a light golden tint, and they do not have to be tied up to blanch them for table use. Flavor very good. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.

French Moss Curled. A heavier and more dense plant than Green Curled; very finely curled. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.

Broad-leaved Batavian (Escarolle). Broad, thick leaves with rounded ends, much larger in size and not deeply fringed like the preceding sorts. This is used in its natural state as a salad, and also like spinach. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50c., lb. \$1.50.

KALE One ounce will produce about 300 plants

CULTURE.—Sow in May in shallow drills, 10 or 12 inches apart; when large enough, transplant singly in rows 24 in. apart each way.

Dwarf Green Curled Scotch. Very dwarf and spreading; one of the best. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

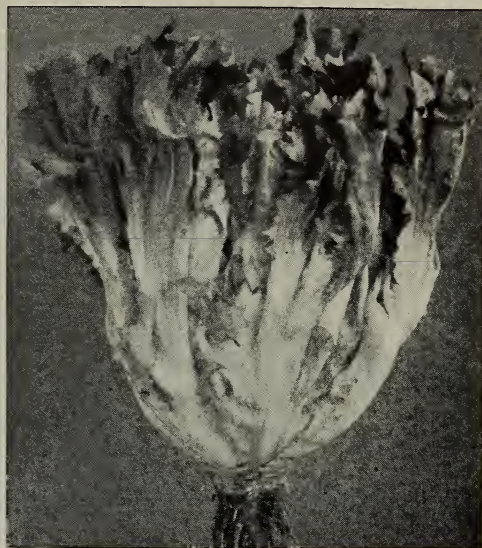
Siberian Kale, or Sprouts. Should be sown in September and treated like spinach; it is fit to cut early in spring. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

Dwarf Brown Kale. A beautiful curled variety, with spreading foliage; very hardy and of fine flavor. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75 cts.

MARTYNIA

The seed-pods are used for pickling, when gathered young and tender. Sow in open ground in May, in hills 3 feet apart each way, or in hotbed and afterwards transplant.

Martynia proboscidea. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts.



Broad-leaved Batavian Endive

KOHLRABI One ounce will sow about 200 feet of drill

CULTURE.—This is a very delicious vegetable, and is increasing in popularity rapidly; combines the good qualities of the turnip and cabbage, but excels both in nutritive and productive qualities. Cooked the same as turnips, they are very tender and palatable. Sow in spring in rows 18 inches apart, and thin away the plants to 8 inches.

Early White Vienna. The earliest, and best for either market or family use. Pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

Early Purple Vienna. Similar to the preceding, except in color, which is of a bluish purple. Pkt. 5c., oz. 30c., ¼ lb. 85c., lb. \$3.

Earliest Selected (for frames). A variety with few and small leaves; can be planted very closely; very useful for general culture and indispensable for forcing. Pkt. 10 cts., oz. 50 cts., ¼ lb. \$1.25.

LEEK One ounce will sow about 100 feet of drill

CULTURE.—Sow the seed very early in a seedbed in a sheltered place, if possible. When plants are about 6 inches long transplant them to trenches 6 inches deep, with very rich soil at the bottom. Fill up the trenches as the plants grow, and later draw soil up to them. As a result you will have fine, large Leeks blanched half a foot long, which may be kept all winter if dug up with the roots on and stored in moist sand in the cellar.

S. & W. Co.'s Exhibition. This is by far one of the best, long, blanched varieties we have ever offered. Seed furnished several prominent exhibitors in vegetable classes this past fall pronounced quite the best they have grown. Pkt. 25 cts., 5 pkts. \$1.

Large Carentan. (Winter.) A very hardy variety of extra-large size; the leaves are fan-shaped, of a dark green color, the edible stem is 6 to 8 inches long and 3 inches in diameter. Pkt. 10 cts., oz. 30 cts., ¼ lb. 75 cts., lb. \$2.50.

Large American Flag. The largest and most desirable, either for market or family use. Pkt. 10 cts., oz. 30 cts., ¼ lb. 75 cts., lb. \$2.

Large Rouen. Pkt. 5 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.50.

MUSTARD One ounce will sow 75 feet of drill

CULTURE.—As an ingredient, the green Mustard imparts a delightfully pungent flavor to the various forms of prepared salads. For early crops the seed may be sown in a hotbed, in March, and for general crop at frequent intervals through the spring, in drills from 8 to 12 inches apart.

White London. The best variety for salads; the seed is used also medicinally and as a seasoning for pickles. Oz. 5 cts., ¼ lb. 10 cts., lb. 25 cts.

Black, or Brown. An esteemed sort for culinary use. Oz. 5 cts., ¼ lb. 10 cts., lb. 25 cts.

Giant Southern Curled. Very large leaves. Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 50 cts.

New Chinese. Leaves twice the size of the ordinary white Mustard; stems more succulent, of deeper green; flavor pleasantly sweet and pungent. Pkt. 5 cts., oz. 15 cts., ¼ lb. 20 cts., lb. 60 cts.



Green Curled Endive

LETTUCE

One ounce will sow
150 feet of drill

CULTURE.—Sow early in spring in a hotbed; transplant in April for summer use. Again, sow from April at intervals in the open ground, and for winter and spring use in August and September. Protect by means of a coldframe during winter. When sown for cutting, the seed may be put in rather thick, in rows or broadcast; but to have finer heads, it should be sown thinly in rows, and transplanted a foot apart into rich soil.



Big Boston Lettuce

preceding will mature about ten days to two weeks later. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Big Boston. A splendid Head Lettuce, perhaps the most generally and favorably known of the ten mentioned here. Forced in frames to great extent in the spring and is also planted in August for late crop. Does not do well for midsummer use, but as a fall or early spring Lettuce is one of the best. Large heads; center crisp and of fine flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

All-Seasons. May be described as a black-seeded Deacon. A good heat-resister. If sown early in May will produce fine, buttery Lettuce from the latter part of June to the latter part of July. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Iceberg. A splendid, crisp head sort for the summer. Few Lettuces resist the heat better. Has strong center ribs, which bend toward the heart of the plant, keeping it thoroughly blanched. Repeated sowing from early May, of this sort and New York, or Wonderful, at intervals of three weeks should supply the table well up to September 1. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

New York, or Wonderful. This variety grows considerably larger than Iceberg and matures about ten days later. The outer foliage is a distinct, dark green as compared with the yellowish green of Iceberg. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Crisp as Ice. Perhaps the least known of the three remarkable crisp-head varieties. The hardiest of all the Lettuces, sometimes remaining in the garden until Thanksgiving. Heads somewhat globe-shaped and of an unattractive dark green and bronze-color; the heart, however, is splendid. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

OTHER GOOD SORTS

Grand Rapids Forcing. There is no better forcing variety among the curled-leaved sorts than the Grand Rapids, and it is quite as good for outdoor culture as many others. Large, beautiful leaves; crisp and tender. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Black-seeded Simpson. (Loose Head.) A popular curly-leaved sort, similar to Curled Simpson, except that it is larger in size. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Boston Market. (Butterhead.) Solid, crisp and compact; one of the best for forcing. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Immensity. (Butterhead.) A very large, nearly smooth-leaved variety that succeeds well in a cool location. It forms large, compact and solid heads. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.

Mammoth Black-Seeded Butter. A large head Lettuce of splendid quality, much lighter in color than Big Boston; forms well-rounded heads with the inner leaves blanched a butter-yellow. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

TEN FINE LETTUCES

A suggestion in one of our prominent garden periodicals has given Ten Fine Lettuces for the amateur gardener to grow, whose garden-space is small, and where crisp Lettuce is desired from April to October.

Early Curled Simpson. A splendid curly-leaved sort. Seed sown in the coldframe about the middle of March and transplanted about the middle of April will supply the table from May until the middle of June. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.

Golden Queen. A small variety of compact habit, forming yellowish green heads. Seed may be sown about the middle of April outdoors, giving Lettuce in about six weeks, just a few days before May King and about a day or so after Wayahead. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Wayahead. Large and fine. Very similar to May King described below. If seed is sown about the same time as Golden Queen it will likely mature a few days sooner, but usually make a looser head. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

May King. Unquestionably one of the best all-round, early, outdoor Lettuces. Does remarkably well in cold or wet weather, forming solid heads of bright green, the edges of the center leaves tinged reddish brown, the heart is clear yellow and of ideal flavor. If sown the same time as Wayahead, Golden Queen will be ready about four to five days later. This variety is sown in August for fall use. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

California Cream Butter. The largest and latest of the early varieties of this type named in this list. If sown the same time outdoors as the three

Salamander Perfected. (Butterhead.) An excellent summer variety that is grown largely by the market-gardener on account of its heat-resisting qualities. Grows to large size, with tightly folded leaves covering the center, which branches a light golden. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

COS or ROMAINE LETTUCE

A very distinct type of Lettuce, the plants being of upright growth. Although this fine Cos Lettuce attains a large size, the immense heart is crisp, tender and excellent; habit quite self-folding. A splendid early sort. Pkt. 25 cts., oz. 75 cts.

Paris White Cos, or Romaine. A splendid sort for summer use, leaves quite erect. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Trianon Self-closing Cos. Long, narrow leaves; very tender and crisp. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



Muskmelon Admiral Togo

MUSKMELON

One ounce will sow
about 80 hills

CULTURE.—Sow the seed in April under hand glasses, and in the open air in May in hills six feet apart each way. Plant in each hill from 8 to 10 seeds, covering half an inch deep. When the plants have produced their rough leaves, thin out to three plants. The hills should be prepared by trenching in rotten manure and sand. As soon as the plants make their appearance above ground, dust them with soot, charcoal dust or wood ashes, to prevent the ravages of the bug.

Admiral Togo. This is an orange-fleshed Netted Gem, or Rocky Ford. We have developed in the Admiral Togo a small muskmelon with the very thick, orange flesh and splendid quality of the Defender, and possessing the characteristic netting, shape, size and shipping quality of Netted Gem or Rocky Ford. Combining all the good qualities of these two fine varieties we believe the Admiral Togo is an ideal table and basket melon. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Selected Emerald Gem. The skin is a rich deep green smooth, flesh salmon-color and of delicious flavor. A very early and prolific variety and one that is very extensively grown for family use. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

S. & W. Co.'s Selected Stock, Rocky Ford. This famous variety is the finest early green-fleshed Melon in cultivation. The fruits are remarkably uniform in size, weighing from one and a quarter to one and a half pounds each. They are quite thick meated, with very thin rinds; skin light green, regularly ribbed and heavily netted, turning to a golden yellow as the Melon ripens. Flesh light green in color, firm but melting, of uniformly fine flavor. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.

Delmonico. Oval; deeply netted; large size; orange flesh. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.

Extra-Early Hackensack. Large, round and of fine quality; a standard variety. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Jenny Lind. Small, but very early; green flesh. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Long Island Beauty. On style of Hackensack, but earlier and finer in quality, and the most beautiful Muskmelon. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Hoodoo. A new orange-fleshed variety, ideal as a shipping Melon and of the very finest quality. Vine vigorous, remarkably blight-resisting and very productive. Fruits uniformly of medium size. Netting exceptionally fine and dense, extending practically over the entire surface. Rind thin yet very firm, so that the Melons arrive in perfect condition in distant markets. Flesh very thick, firm, highly colored, of fine texture and delicious flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Paul Rose. This new red-fleshed Melon is exceedingly sweet and highly flavored, and in it are combined all the good qualities of the Netted Gem and Osage, the varieties from which it originated. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

Tip Top Melon. The most productive melon known; good for early or late, having a sweet, juicy fine flavor; solid flesh (but not hard) and eatable to the outside coating. The fruit is of large size, nearly round, evenly ribbed and moderately netted. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

English Frame Varieties (Imported Seed)

	Pkt.
Sutton's Invincible Scarlet Flesh	\$0 25
Blenheim Orange	25
Eastnor Castle Green Flesh	25
Sutton's Perfection Pale Green Flesh	25
British Queen	25



Kleckley Sweets Watermelon

WATERMELON

One ounce will plant
about 50 hills

CULTURE.—Treat the same as muskmelon, except that they should be planted 8 to 10 feet apart, according to variety.

Cole's Early. A most delicious and productive variety for the family garden, succeeding in northern states, where melons were never matured before. The flesh is of a beautiful bright red color, crisp and extremely delicate in texture—that granulated, cool, sparkling appearance that is so captivating to the eye; in flavor it is lusciously sweet and refreshing, no pithiness or stringiness. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Kleckley Sweets. The sweetest of all the Watermelons. Fine-flavored and grained, tender meat. Fruits are large size; rind very thin and green, very brittle; flesh scarlet and firm, and a variety everyone should grow. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.50.

Kolb's Gem. Largely grown in the South for shipment to northern markets; it has no equal as a shipping melon; the fruit is nearly round; rind dark green, somewhat marbled with lighter shades. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

Citron. Round and handsome; used for preserves. Our strain of this variety is very fine; fruits uniformly large. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Tom Watson. A large, long melon similar in shape, color and splendid quality to Monte Cristo, but averaging larger in size and with a tougher rind. Vines vigorous and productive. Flesh rich red, sweet and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

MUSHROOM SPAWN

Ten pounds will spawn
10 feet square

CULTURE.—Mushrooms are easily grown, with a little care and attention, under a square shed, portion of a cellar, or any dark, dry place. Collect a quantity of fresh horse droppings, throw them into a heap, leaving it until it commences to ferment, then turn it over and mix it up well, and place it where you intend to make the bed, spread it regularly about 18 inches thick, tread firmly and level the bed. Leave this to heat for a few days and as soon as the heat drops to 90 degrees make holes in the bed, about a foot apart each way, into which put pieces of the spawn about the size of an egg, fill up the holes with the compost. Beat the surface level, afterward keep it dry, and the Mushrooms will make their appearance in about five or six weeks. When the first crop has been taken, give the bed a good watering leaving it as before, when they again will make their appearance. Beds can be made at any time of the year, and as one declines another should be made, to keep a constant supply. The spawn should be kept in a cool, dry place. When gathering, remove the stalks; do not cut them or they will rot and breed maggots.



Bed of S. & W. Co.'s Pure Culture Mushroom Spawn

American Pure-Culture Spawn

Ten pounds will spawn 10 square feet

This type produces larger Mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time. This spawn is produced by selecting spores from individual specimen Mushrooms, and is propagated and transferred to the bricks of manure, which, when planted, produce Mushrooms all of one type.

Per Brick (about $1\frac{1}{2}$ lb.) 30 cts.

Per 10 Bricks, \$2.40.

Per 25 Bricks, \$5.

Per 100 Bricks, \$15.

Best English Spawn

Fresh from a celebrated maker in England. Made in bricks of about 1 pound each.

Per Brick (about 1 lb.) 20 cts.

Per 10 Bricks, \$1.80.

Per 25 Bricks, \$3.75.

Per 100 Bricks, \$12.

ONIONS

One ounce for 100 feet of drill
5 to 6 pounds per acre

CULTURE.—Sow in rich, sandy soil, in drills 1 foot apart, as early as possible in the spring, cover with fine soil and firm well, either with roller or back of spade. When plants are strong enough, thin out to 3 or 4 inches. The finest Onions are produced by sowing the seed in a hotbed early in February and transplanting seedlings to the open ground 6 inches apart.

S. & W. Co.'s Selected Ailsa Craig.

This Onion continues to be one of the largest, when stock is good and if sown early. It is a very handsome, oval-shaped variety, with pale straw-colored skin. Two of these Onions have been exhibited in England that weighed eight pounds, and in some parts of Massachusetts it attains a weight of three pounds four ounces. For exhibition it is unexcelled, and a more shapely bulb than the Prizetaker. To attain its largest size it should be sown in the greenhouse in January and transplanted to the open in April. For a large Onion it is a splendid keeper, and for those who like an Onion raw we recommend it highly on account of its mild flavor. The Onions in the illustration below were grown from our seed, and weighed slightly over three pounds each. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.75.

Large Red Wethersfield.

This is the standard red variety, and a favorite Onion in the East, where immense crops are grown for shipment. Bulb large, somewhat flattened, oval shape; skin deep purple-red; flesh purplish white, moderately fine grained and stronger flavored than any of the other kinds. Very productive, the best keeper, and one of the most popular for general cultivation. It is more inclined to form large necks if planted on unsuitable soil than the Danvers, but is the best variety on poor or dry soil. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

STANDARD ONIONS

Prizetaker. Grows uniform in shape; is of immense size, measuring from 12 to 16 inches in circumference, while under special cultivation specimen bulbs have been raised to weigh from four to six pounds each; its pure white flesh is fine-grained, mild and delicate in flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Early White Welsh. This kind does not form a bulb but is one of the best kinds for green Onions. The plants are perennial, but may be treated as annuals. Sow seed where the plants are to stand, in April or early May. Cultivate to keep down the weeds, and in three months' time the first cuttings of the leaves may be made, which are excellent for seasoning, having a strong onion flavor. This is a distinct variety of the Welsh Onion, with pinkish white coats, silvery white at top. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 75 cts.

White Pickling. When matured, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate, perfectly adapted for pickling and table use; and makes a pretty bunch Onion, especially if grown by the transplanting method. A valuable variety. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.50.

White Portugal, or Silver Skin. A mild-flavored variety, used extensively for pickles. The Onions are tender and altogether fine. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Yellow Globe Danvers. Of more globular shape than the preceding; splendid keeper, producing well-rounded bulbs about 2½ inches in diameter; skin light golden yellow; flesh white, crisp and mild in flavor. One of the best known Onions, and one of the best for general crop. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.60.



Ailsa Craig Onions

ONIONS

One ounce for 100 feet of drill,
five to six pounds for one acre

S. & W. Co.'s Perfect Globe-Shaped

S. & W. Co.'s Southport White Globe. Yields abundantly, producing handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained and of mild flavor. To produce the beautifully white Onions, so much sought in every market, one must, first of all, have good seed. Second, grow them well on rich land. Third, exercise great care in harvesting and curing the crop. In Southport, they "cord" up the Onions in long rows, the bulbs on the inside, and cover with boards so that the bulbs in the open air are well protected from rain or dew, which would be sure to discolor them. We have, by years of careful selection and breeding, developed a strain which has no equal in uniformity and beauty of shape and color. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$3, 5 lbs. \$14.

S. & W. Co.'s Southport Yellow Globe. This is probably the finest all-round sort grown. The enormous quantities annually shipped to market prove its popularity, and it is more largely grown than any other variety. We take unusual precautions to maintain the highest degree of perfection in our stock, and can confidently claim superiority for it. The bulbs are large and uniformly spherical, with very small necks; the largest diameter is below the center of the bulb. The color is a rich orange-yellow; enormous yielders and splendid keepers. No Onion-grower can afford to plant inferior seed when such as this can be procured. Per pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 5 lbs. \$8.

S. & W. Co.'s Southport Red Globe. Very similar to Wethersfield in color, having a deep red skin, but differing in shape, being almost a perfect globe. Size large, flesh fine-grained, mild and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 5 lbs. \$8.



S. & W. Co.'s Perfect Globe-Shaped Onions

Collection

One packet
each, three
varieties
Globe Onion,
RED,
WHITE,
YELLOW,
for 25c.; one
oz. ea., three
varieties, 60c.

ONION SETS

The Reason for Planting Onion Sets

Our Globe Onion Sets will produce Onions much earlier than by sowing the seeds, which frequently permits the planter to sow another crop on the land the same year. For green or bunch Onions, sets will produce a crop in half the time it takes to raise them from seed. Plant Onion Sets and Tops near the surface, in drills 12 inches apart and 4 inches in the rows. They require the highest culture to obtain the best results.

White Multipliers. Especially valuable for the first early Spring Bunch Onions. They are pure white in color, which runs well up the stem, and in flavor are mild and sweet, far superior to the green Onions from other sets. There are usually several stalks from a single bulb; are very productive and ready for eating before any of the others. Qt. 30 cts., pk. \$2.

White Globe. Qt. 30 cts., $\frac{1}{2}$ pk. \$1.10, pk. \$2.

Red Globe. Qt. 30 cts., $\frac{1}{2}$ pk. \$1.10, pk. \$2.

Yellow Globe. Qt. 30 cts., $\frac{1}{2}$ pk. \$1.10, pk. \$2.

White Sets. Qt. 20 cts. $\frac{1}{2}$ pk. 75 cts., pk. \$1.25.

Red Sets. Qt. 20 cts., $\frac{1}{2}$ pk. 75 cts., pk. \$1.25.

Yellow Sets. Qt. 20 cts., $\frac{1}{2}$ pk. 75 cts., pk. \$1.25.

Shallots. Qt. 30 cts., pk. \$2.

White Potato Onions. Qt. 20 cts., pk. \$1.50.

Yellow Potato Onions. Qt. 20 cts., pk. \$1.50.



Globe Onion Sets

OKRA, or GUMBO

One ounce will sow about
100 feet of drill

CULTURE.—Sow in the second or third week in May, if the weather is settled and warm, in drills one inch deep and four feet apart; thin out to 12 inches.

Lady Finger. A new variety from the South, very productive, extra-long, slender pods of fine round form. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Kleckley's Favorite. One of the best varieties. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Long Green. Long ribbed pods, very productive. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

White Velvet. Very distinct in appearance; pods are perfectly round, smooth and of a white velvety appearance and of superior flavor. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

PARSLEY

One ounce will sow about
150 feet of drill

CULTURE.—Parsley requires a rich, mellow and deep soil. Soak the seed for a few hours in tepid water, and sow early in the spring in drills one foot apart and half an inch deep. Thin out the young plants to four inches. Hamburg Parsley should be treated the same as carrots.

Extra Double Curled. Standard market sort. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Champion Moss Curled. Very beautiful. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Fern-Leaved. Finest garnishing variety. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Plain. The ordinary form. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

Curled Beauty. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Hamburg, or Rooted. Edible roots. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

PARSNIP

One ounce will sow about 200 feet of
drill. 5 to 6 lbs. for an acre

CULTURE.—Sow as early in spring as the ground can be worked, in drills 18 inches apart, covering with fine soil to the depth of half an inch. The soil should be rich and deeply dug. The quality of the roots is much improved after a severe frost; in fact, they may be allowed to remain in the ground throughout the winter, as they are perfectly hardy.

S. & W. Co.'s Improved Hollow Crown. A great improvement over the present Hollow Crown variety; smooth, clean and well shaped. Excellent for table or exhibition. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

S. & W. Co.'s Maltese. We are confident in stating that this highly selected strain can not be surpassed, either for size or flavor; the roots, which grow to a very large size, are as tender and sweet-flavored as varieties that do not grow to half the size; a very fine variety for exhibition. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

PEPPER

One ounce will produce
about 200 plants

CULTURE.—Sow in hotbed in March or in the open ground in April; transplant in rows 20 inches apart each way. The seed may be sown in the open ground after all danger of frost is passed.

S. & W. Co.'s Selected Ruby King. Fruit bright ruby-red. The flavor is so mild and pleasant that it can be sliced and eaten like cucumbers or tomatoes. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$4.

Chinese Giant. Double the size of Ruby King. This is the standard large Sweet Pepper. It is quite early to ripen and very productive for so large a variety. Productiveness may be increased by pinching the first or "king" blossoms which appear. They grow 4 or 5 inches broad at the top, and are of equal length. Quite uniform in size. The flesh is mild and unusually thick and makes an excellent salad sliced and served like tomatoes. Color green, changing to a glossy scarlet when ripe. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$4.

Long Red Cayenne. Fruit about four inches long, bright red color; very productive. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Cherry Red. Small round fruit, rich scarlet color, and extremely piquant. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85c., lb. \$3.

Large Bell or Bull Nose. A large early variety of pleasant flavor. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.25.

Magnum Dulce. Superior to Chinese Giant or any other variety for size and quality. Pkt. 10 cts., oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25.

Dwarf Early Red Squash. Thick meat, small, flat squash-shape. Pkt. 10 cts., oz. 30 cts., lb. \$1, $\frac{1}{4}$ lb. \$3.50.

New Neapolitan. Is fully two weeks earlier than Bull Nose, or Ruby King; of good size, and mild flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 90 cts.

Golden Dawn. Bright golden yellow; very productive. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Sweet Mountain. Similar to the Bull Nose, but larger, sweeter and of milder flavor. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Red Cluster. Bears a profusion of red clusters of very thin, pungent Peppers in an upright position. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts.

RHUBARB

One ounce will produce
about 1,000 plants

CULTURE.—Sow early in spring, in drills one inch deep and a foot apart; thin out; transplant the following season 4 feet apart each way.

Linnaeus. Early, large and tender. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Victoria. Very large, somewhat later than Linnaeus. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Roots. 10c., ea., \$1 per doz.; extra-strong clumps, 25c. ea., \$2.50 per doz

S. & W. Co.'s Selected Ruby King Pepper

OUR PACKETS CONTAIN
A FULL HALF-PINT

PEAS NORTHERN GROWN

Where pints and quarts are ordered
BY MAIL, add 5 and 10 cts. each,
unless order amounts to \$1 or more.

One quart will plant 100 feet of drill

Prices on half pints include postage

CULTURE.—For early crops sow as early in spring as practicable, and again every two or three weeks for a succession throughout the season up to the 1st of August. Plant in single or double rows, 4 feet apart and 2 inches deep. In dry weather soak the Peas over night before planting. In the vicinity of New York the extra-early Peas, if planted from the 15th to the last of August, will produce a medium crop for late picking when they will be found most acceptable.

Varieties marked * are wrinkled Marrows, and should be sown more thickly than the round Peas, and not until the ground has become warm, as they are more liable to rot. All wrinkled sorts are much superior in flavor to the round Peas.

EARLY PEAS

Alaska. A round, slightly pitted, blue-seeded sort, grown largely by canners. An extremely early variety. May be planted as early as First of All, but for the home-garden it is not considered quite so good. Height 18 inches. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 30c., pk. \$2.

Ameer. Sometimes called Large Alaska. In habit it is dwarf and stocky, color dark green. Bears about the same time as Thomas Laxton, but, while more prolific, and of fine quality, it cannot be compared as regards flavor. Height $2\frac{1}{2}$ ft. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25

***American Wonder.** A very early wrinkled Pea that will bear about the same time as Little Marvel, but is not so large or prolific. Height 1 ft. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 30 cts., pk. \$2.

***Early Morn.** This grand introduction maintains its position as one of the best early marrowfat Peas ever raised. Although so early, the seed should not be sown until the soil is in a fit shape to receive it in April, as it is a rapid grower. The pods are very large and well filled, and are often ready to pick several days after Gradus. Height about 3 ft. $\frac{1}{2}$ pt. 15 cts., pt. 25c., qt. 45 cts., pk. \$3.

First of All, or Pedigree Extra Early.

A smooth-seeded variety that cannot be too highly recommended. In a planting where ten varieties are wanted to produce a continuous succession of Peas from June 1, this variety heads the list, and will give you Peas four to five days earlier. A splendid cropper; peas very tender, of good flavor, and carried in long, well-filled pods. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 30 cts., pk. \$2.

***Gradus, or Prosperity.** Undoubtedly one of the most valuable sorts introduced up to the present time. The vine has heavy stems, with large, light green leaves and grows about 3 feet high. It produces uniformly large pods, measuring from 4 to $4\frac{1}{2}$ inches in length, nearly round and well filled with very large, handsome peas of the finest flavor and very early, ready for picking after First of All is through, and leaves little to be desired. $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., pk. \$2.75.

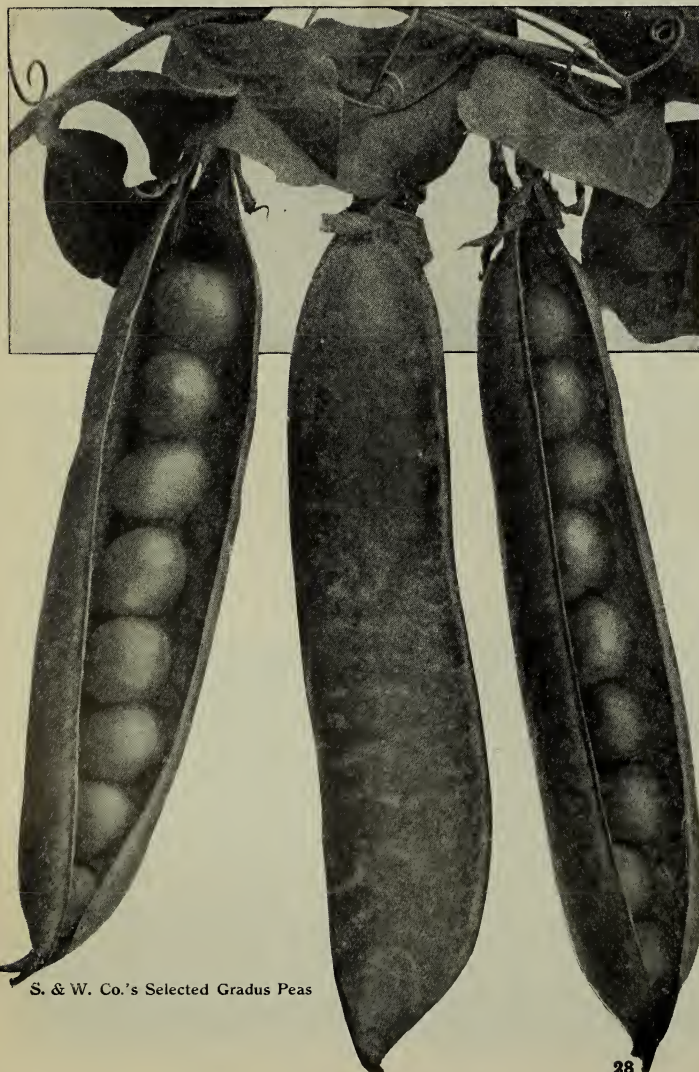
***Little Marvel.** A first-early Pea of the finest quality, better than American Wonder or Nott's Excelsior. The vines of dwarf, even growth average 15 inches high, and are heavily set with fine pods, usually in pairs. The pods average $2\frac{1}{2}$ inches in length, are square at the bottom, and are well filled with quite large, deep green Peas. The Peas are ready for picking fully as early as American Wonder, but the pods are larger and the vines bear a much heavier crop. All who desire a fine crop of an early, choice variety of Peas will be delighted with Little Marvel. Begins to bear just as Gradus is at its best. $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., pk. \$2.75

***McLean's Little Gem.** An early variety that comes to bearing about the same time as Little Marvel, and while very productive is not so large. Peas are tender and of fine quality. Height $1\frac{1}{2}$ ft. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 30 cts., pk. \$2.

***Nott's Excelsior.** A splendid early sort; large cropper and still preferred by many planters on account of its prolific yielding qualities, but is now really superseded by Little Marvel. Height 14 inches. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25.

Saxonia. In this new extra-early, round Pea, the objections to round Peas, on account of their limited yield are removed, as it yields as abundantly as any of the later sorts. It sets an entirely new standard for round Peas. The pods are double the size of First of All, and are borne mostly in pairs. The vines grow about 2 feet high, and are healthy and vigorous, bearing very large crops of fine Peas. See fuller description on page 9. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25.

***Sutton's Excelsior.** A variety that calls for highest commendation; equal to Gradus in quality and considerably more productive. Ready for picking just after Gradus and Little Marvel. Height $1\frac{1}{2}$ ft. $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., pk. \$2.75.



S. & W. Co.'s Selected Gradus Peas

OUR PACKETS CONTAIN
A FULL HALF-PINT

PEAS NORTHERN GROWN

Where pints and quarts are ordered
BY MAIL, add 5 and 10 cts. each,
unless order amounts to \$1 or more.

EARLY PEAS, continued

***Thomas Laxton.** A remarkably fine, early, wrinkled Pea, and we think destined to supersede Gradus. In many characteristics it resembles that excellent sort, but the pods differ in shape, and are certainly more numerous. The peas are of extra-fine quality, tender and of a flavor not excelled by any other. It grows about 3 feet in height, but does not need brushing. Ready for picking at the same time as Sutton's Excelsior. It is a remarkably profitable market Pea, as it is always in demand and brings the best prices. $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., pk. \$2.75.

MEDIUM AND MAIN-CROP PEAS

***Alderman.** A distinctly different Pea in habit to those described in the Early list. On generous soils it grows to a height of 5 to 6 feet, and should be supported with brush or trellises. The pods contain seven large, elongated, dark green peas of the highest quality, and follow in the wake of Thomas Laxton. The plants bear very profusely, and the Peas bring the highest price in market. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.50.

*Boston Unrivaled, or Telephone.

This variety is much like Alderman, with vines fully as tall, pods slightly smaller, and bears right up to the season of the very late sorts. The yield of pods is not so great nor so well filled as Alderman. The peas are every bit as tender, but darker green in color and sweeter. Height 5 feet. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.50.

***Buttercup.** Just as Alderman and Boston Unrivaled are at their best Buttercup is ready for picking. Is a handsome, light green Pea, with curved pods frequently borne in pairs, which makes picking very easy. On an average the vines bear six or seven pods containing seven or eight fine, large peas. Height 2 ft. $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., pk. \$2.75.

***British Wonder.** A distinct sort, possessing very thrifty, bluish green vines which are marvels in respect to their productiveness and the Peas are even sweeter than Gradus. Pods not unlike those of Little Marvel. While the pods of British Wonder are decidedly smaller than Alderman or Boston Unrivaled, and frequently not well filled. Where space is a factor, it is a valuable variety because its vines do not exceed 2 feet in height and the quality of the peas is excellent, with a particularly fine flavor. It is one of the most profitable sorts on the market, as it always brings top prices. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.50.

***Champion of England.** Vines grow 4 to 5 feet high. Pea of excellent quality, and preferred by many; the pods are well filled and the peas are of delicious flavor. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 30 cts., pk. \$2.

***Daisy (Carter's).** Very dwarf-growing, extra-early variety; pods large, averaging 5 inches in length, containing 7 to 9 fine, large green peas of delicious flavor. Height $1\frac{1}{2}$ ft. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25.

***Potlach.** Really an improved Stratagem and, without a doubt, the best dwarf, extremely late Pea. Healthy bluish green vines, bearing loads of deep green pods; frequently an average of eight pods in pairs containing an average of seven fine, large peas of superfine flavor. A continuous bearer from July 1 to 15 in most seasons. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.25.



Alderman Peas

MEDIUM AND MAIN-CROP PEAS, continued

Quite Content. One of the largest-podded Peas in existence and in season similar to Alderman. This variety is preferred by many growers to Alderman on account of its large pods. $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 45 cts., pk. \$3.

***Senator.** A grand, second-early, productive of large, luscious, very wrinkled Peas. The handsome, large, round pods are curved and always well filled. Vines grow 3 to 4 feet and carry an enormous crop of delicious Peas, which always command top prices in market on account of their appearance and quality. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.50.

Telephone. See Boston Unrivaled.

EDIBLE-PODDED SUGAR PEAS

Luscious Melting Sugar. Grows to the height of 5 feet; bears a profusion of large, broad pods, which are so brittle that they snap without any string. They should be used in much the same way as a wax bean. The pods when cooked are very sweet and tender. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.50.

Very Dwarf White Sugar. Unusually dwarf, very similar in habit to the American Wonder. The pods are beautifully crimped, are of unusual size for such a small-growing sort, and are of exquisite melting quality. $\frac{1}{2}$ pt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$2.50.

POTATOES FOR SEED

CULTURE.—Grown exclusively from tubers; 10 to 12 bushels to the acre. Plant in early spring, in rows 3 feet apart and plants 15 to 18 inches apart in row. Cultivate constantly and thoroughly, finally ridding the loose soil against the rows. A second or late spring planting is often made. Store in frost-proof cellar in winter. Our Potatoes are all specially raised for seed purposes, are "Northern-Grown" and are exceptionally fine in quality. In comparing our prices on Potatoes, remember we make no charge for barrels or cartage, and deliver f. o. b., New York, at prices quoted.



Extra-Early Bovee Potatoes

EARLY VARIETIES

Extra-Early Potato, The Bovee. The earliest of all and a great cropper. The Bovee in all competitive trials has outyielded all the early Potatoes, and is one of the most valuable sorts for the market-gardener for the first call for new Potatoes. Pk. 85 cts., bus. \$2.50, bbl. \$5.

Selected Early Rose. A standard variety, early, productive and of excellent quality. ½pk. 40 cts., pk. 70 cts., bus. \$2, bbl. \$4.50.

Beauty of Hebron. Slightly flesh-colored skin, with pure white flesh; one of the most popular early varieties. ½pk. 40 cts., pk. 70 cts. bus. \$2.25, bbl. \$4.

MEDIUM- AND LATE-CROP VARIETIES

Gold Coin. A splendid main-crop variety of remarkable productiveness and finest table quality; slightly oblong form; light golden skin; flesh pure white, fine-grained; cooks very dry. Pk. 85 cts., ½bus. \$1.50, bus. \$2.50, bbl. \$6.

Snow. (White.) Sometimes called "Poor Man's Friend." On account of the large yields that have been reported of this Potato it is rightly entitled to be called the Poor Man's Friend. It is of handsome shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, a little earlier than Green Mountain, is a good keeper and fast becoming one of the most popular medium-late varieties. Pk. \$1, ½bus. \$1.75, bus. \$3, bbl. \$7.

Rural New Yorker. Large and smooth; white skin and flesh. Pk. 70 cts., bus. \$2.25, bbl. \$4.

Carman No. 1. Largest size, greatest yielder. ½pk. 50 cts., pk. 85 cts., bus. \$2.50, bbl. \$5.

PRACTICAL POTATO CULTURE. Mr. E. A. Rogers, of Brunswick, Maine, well known throughout the country as an authority on the subject of Irish Potatoes, has just published a 128-page, illustrated book, entitled "**Practical Potato Culture**," which deals with the subject in a thoroughly practical way, under the following heads: Potatoes for Seed, Rotation, Preparing the Land, Fertilizing, Cultivation, Insecticides, Harvesting, Storing, etc. 50 cts., postpaid.

Norcross. Has been grown for the past few years and has given excellent satisfaction. The Potato is large, flat, oval, perfect in shape, finest in quality, largest in yield. It is an excellent eating Potato, is very hardy, and has shown exceptional blight-resisting qualities. ½pk. 50 cts., pk. 90 cts., bus. \$2.50, bbl. \$6.

Late Puritan. Very productive. Pk. 70 cts., bus. \$2, bbl. \$4.

Carman No. 3. Is of perfect form even in dry seasons, almost every Potato being of uniform size and shape, averaging nearly a pound each in weight. The skin and flesh are extremely white, no hollow or dark parts, and its cooking qualities are extremely fine. Pk. 70 cts., bus. \$2.25, bbl. \$4.50.

Green Mountain. (Selected Stock.) A late, heavy cropper of excellent quality; skin smooth and white; shape roundish flat; eyes few and shallow; a good keeper. Pk. 85 cts., ½bus. \$1.50, bus. \$2.50, bbl. \$5.

PUMPKINS

One ounce will
plant 50 hills

CULTURE.—Plant in April or May, among corn, or in the garden, in hills 8 to 10 feet apart, and otherwise treat in the same manner as melons.

Large Tours, or Mammoth. Grows to an immense size, often weighing over 100 pounds. Pkt. 10 cts., oz. 30 cts., ¼lb. 50 cts.

Connecticut Field. Grown for stock purposes. Oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.

Winter Luxury. This we recommend as one of the best pie Pumpkins; an excellent keeper and enormously productive. It is very finely netted and in color it is a golden russet. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts.

Large Cheese. A most popular variety in the South. Fruit flattened, the diameter being two or three times more than the length; skin mottled light green and yellow, changing to rich cream-color as it matures; flesh tender and of excellent quality. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. \$1.

Jumbo. This is the variety to be grown where "the biggest Pumpkin" is wanted. We have seen specimens weighing 250 pounds. The color of skin is a deep yellow, the flesh being of a lighter shade. Notwithstanding its enormous size, it is delicious in quality and generally desirable. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts.

Calhoun. A good-sized, almost round Pumpkin, with creamy brown skin; flesh deep salmon-yellow, wonderfully thick, fine-grained, and of the finest quality for rich-colored pies. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts.



Large Cheese Pumpkin

RADISH

One ounce will sow
about 100 feet of drill

CULTURE.—Sow, for early crops, in March, in hotbed, and in April and May in a warm border, and continue throughout the season, in fortnightly sowings, in drills an inch deep and a foot apart.

"Cooper's Sparkler." A quite distinct variety, now offered for the first time. Fulfills every requirement in each respect, the color being a rich carmine-scarlet, with a very pronounced tip of the purest white. The roots, even when fully developed, are solid, crisp and sweet, and remain fit for use as long as the coarser kinds. It is equally well adapted for forcing in frames or growing in the open ground, for, while the leaves are small, as shown in the accompanying photograph, they are sufficiently large for bunching. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Sakurajima. A Radish from Japan, which grows to enormous dimensions. The circumference of some are 43 inches, the length 21 inches. The skin is white and the fruit is always crisp and tender. The taste is more delicate than our American varieties, and we believe that this variety will become popular. Pkt. 25 cts., oz. 50 cts.

EARLY TURNIP VARIETIES

Scarlet. Very early. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Scarlet White-tipped. Fine for early forcing in frames, or outdoors. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Early White Turnip. A small, round sort, inclined to flat. Its beautiful, pure white color makes it very useful for mixing with other sorts. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Yellow Summer. Splendid variety; stands heat and drought well. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

Early Scarlet Globe. Of distinct shape, brilliant color, short-leaved, crisp and white; an excellent variety for forcing. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Large White Summer. Large size and fine form; excellent for summer use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts.

Large Gray Summer. Large size, round. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25c.

Triumph Scarlet Striped, Forcing. A very desirable addition to our forcing sorts. The roots are about the size and shape of Scarlet Turnip White-tipped, but are creamy white, beautifully marked with spots and dashes of carmine. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

OLIVE-SHAPED VARIETIES

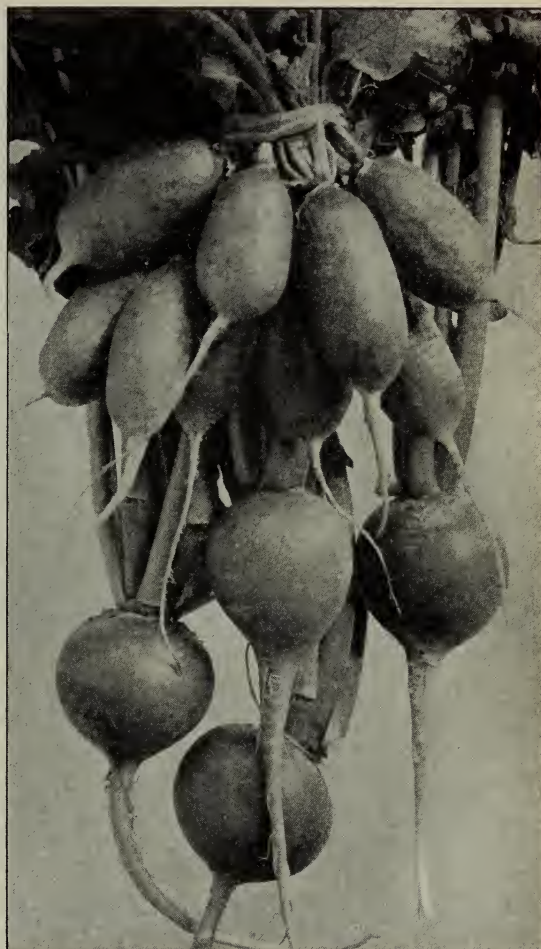
Olive-shaped Scarlet. Flesh bright and crisp. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Olive-shaped White. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

French Breakfast. A favorite sort; mild and crisp. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75c.



Cooper's Sparkler Radish



Early Scarlet Globe and French Breakfast Radishes

Red Rocket. Shape

is long oval, color bright red, good flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

White Rocket. Similar to Red Rocket, but is pure waxy white throughout. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

White Tip Rocket. Brilliant scarlet with white tip; flavor delicious. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

LONG VARIETIES

Scarlet Short Top. Very long and crisp. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20c., lb. 60c.

Scarlet Chantier White-tipped. The color at the top is crimson, running into pink about the middle, and from thence downward is a pure white. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 65 cts.

White Strasburg. Shape tapering; skin and flesh both white; excellent summer variety. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 65 cts.

Giant White Stuttgart. Medium early, large and heavy; pure white throughout; very tender and delicious flavor. Very popular sort. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Long White Vienna, or Lady Finger. Pure white in color; of long, tapering shape; very attractive in appearance. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts.

White Icicle. A fine long white and very early sort, ready in twenty to twenty-five days after planting. Its transparent, white skin, makes it a very attractive market and table variety. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

WINTER RADISHES

Rose China. Bright rose color; flesh firm and piquant; fine for winter use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Long Black Spanish. The popular winter sort. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Round Black Spanish. Fine for winter use. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Half-long Black Spanish. A fine market-gardeners' strain. Flesh white and crisp; fit to use early in the fall. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

California Mammoth White Winter. A white-fleshed Radish of excellent quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

SPINACH

One ounce will sow about 100 feet of drill

CULTURE.—Sow in March or April in drills an inch deep and 14 inches apart; again in August or September. Spinach delights in very rich soil—in fact, it is of no use sowing in a poor one.



New York Market Spinach.

S. & W. Co.'s Savoy-leaved. A valuable variety with wrinkled leaves, resembling the Savoy cabbage; hardy and prolific. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 35 cts.

S. & W. Co.'s Large Thick-leaved. Fine market sort. It produces a large, thick leaf and stands for a long time before running to seed. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 35 cts.

S. & W. Co.'s New York Market. This Spinach grows rapidly and produces unusually large, thick, crumpled leaves of beautiful green. Properly cultivated and manured, the plants very often measure 2 feet across, and stand the winter better than any other sort of Spinach. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

S. & W. Co.'s Long Season. A distinct variety, standing from two to three weeks longer than any of the other sorts in this climate without going to seed. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.

S. & W. Co.'s Monstrous Viroflay. A fine selection of the old Lettuce-leaved Spinach. Excellent for summer use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 35 cts.

New Zealand. Produces leaves in great abundance throughout the summer; it should be transplanted 2

by 3 feet. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

SALSIFY

Vegetable Oyster

One ounce will sow about 50 feet of drill.

CULTURE.—Sow the seed early in spring, in drills 12 inches apart and 1 inch deep, thinning out the young plants to 6 inches. The roots will be ready in October, when a supply should be taken up and stored like carrots. Those remaining will suffer no injury by being left in the ground until spring.

Mammoth Sandwich Island. Tender and delicious. Superior to all other sorts. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.



Mammoth Sandwich Island Salsify

SCORZONERA

One ounce will sow about 50 feet of drill

CULTURE.—Cultivate the same as salsify. The roots should not be scraped, but simply washed, boiled tender, then peeled and served like asparagus. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

SORREL

One ounce will sow about 100 feet of drill

CULTURE.—Sow early in the spring in drills 6 to 8 inches apart.

Garden. Used for soups and salads on account of its pleasant acid flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.25.

SEA-KALE

One ounce will produce about 300 plants

Sow an inch deep in drills 2 feet apart, thin out to 6 inches, and the next spring plant in hills 3 feet apart. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

SPROUTS

One ounce will plant about 150 feet of drill

CULTURE.—Sow in drills one inch deep, in rows about 2 feet apart, and treat the same as kale.

Spring Sprouts, or English Rape. Pkt. 5 cts., oz. 10 cts.

Winter, or Siberian Kale. Pkt. 5 cts., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

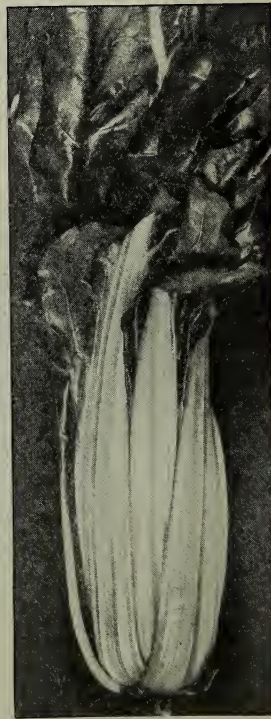
SWISS CHARD (Spinach Beet)

One ounce will sow about 100 feet of drill

If your garden space is limited, Swiss Chard must have a place, for, in ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as spinach or beet-tops; they are equal in quality and easier to prepare than spinach, and far superior to beets. Sow as early in spring as the ground can be worked, in rows 12 inches apart, and thin out to 5 inches apart in the rows. As it grows, thin out for use. It can be used all summer when spinach is not available. Later, the leaves grow very large, with broad, flat, pure white stems, and midribs which may be cooked like asparagus.

Giant Lucullus. Plants of this variety grow to a height of 2 to 2½ feet. The stalks are quite thick, 1½ inches broad, heavily ribbed and from 10 to 12 inches long below the leaf. These stalks are splendid when cooked and served in the same manner as asparagus. The extra-large leaves are sharply pointed at the top, while in texture they are heavily crumpled. The leafy portion of the foliage is cooked and served in the same manner as spinach. The leaves and stalks, served as separate vegetables, afford two distinct dishes from the same plant at one time. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Green Lyon. Not so tall as the Lucullus, or Wrinkled. Leaves and midrib very broad. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



Swiss Chard



SQUASH

One ounce of Early Squash will plant about 25 hills
One ounce of Marrow Squash will plant about 50 hills

CULTURE.—The Squash succeeds best in good rich soil. It is not advisable to plant before May 15. Sow in hills in the same manner as cucumbers and melons.

SUMMER VARIETIES

Long Island White Bush. A selection of the Old White Bush Scalloped, and a vast improvement, having less prominent ridges and being much deeper, so that a single Squash actually contains nearly twice as much weight for the same cubic measurement as the old sort. In addition to this, it is of finer quality and very prolific. We can strongly recommend this variety. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Giant Bush Summer Crookneck. The Crookneck class of Squash surpasses in quality any of the summer varieties, and in the Giant Bush we have the delicious buttery flavor of the original sort, but of just double the size. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts.

Delicata. Early and very prolific; of oblong shape. Ground-color orange-yellow, splashed and striped with very dark green. Although of small size, the Squashes are solid and heavy, while the quality is rich and dry. An excellent "all seasons" Squash. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts.

Golden Custard. Mammoth strain of the Early Yellow Scalloped Bush. Golden yellow flesh, quality excellent. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts.

FALL, OR WINTER VARIETIES

Boston Marrow. A very popular Squash for fall or winter use. Bright orange-color, flesh yellow; oval in form. A splendid keeper and excellent for pies. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts.

Chicago, or Warty Hubbard. This is a selection of the largest and best rough-skinned specimens of the Green Hubbard. The strain is an ideal winter Squash for the home market. The vines are of strong, robust growth; fruits very large, heavily warted, splendid shape and dark green; flesh rich and dry. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.10.

Golden Hubbard. One of the best of the Hubbards for the private garden. The fruits are of the same shape as the green Hubbard, except that they average one-half to one-third less in size. Flesh deep golden yellow, much richer in color than Hubbard. Cooks dry and of rich flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.10.

Hubbard. Finest of all the late-growing varieties. Bluish green color, occasionally marked with brownish orange. Will keep from September to May. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Perfect Gem. Round, white, very productive, and of fine quality. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts.

VEGETABLE MARROW

A very widely known vegetable in the English market, but little known in this country. The fruits are generally eaten when less than half-grown, as the flesh is then very tender and marrowy. It should always be used in a young state. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts.



Long Island White Bush Squash

Our List of Dahlias and Gladioli contains many of the best varieties in commerce.

TOMATO

One ounce will produce
about 1,000 plants

CULTURE.—The seed should be sown in a hotbed about the first week in March, in drills 5 inches apart and half an inch deep. When the plants are about 2 inches high, they should be transplanted into another hotbed and planted 4 inches apart, or planted in 4-inch pots, allowing a single plant to a pot. About the 15th of May the plants may be set out in the open ground 3 feet apart. Water freely at the time of transplanting. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower-pot, and placing it in a sunny window of the room or kitchen. The fruit is greatly improved in quality if the vines are tied to a trellis or to stakes.



Crimson Cushion Tomatoes

FORCING

S. & W. Co.'s Best of

All. A variety of matchless form and color. Fruits beautiful, smooth, round and wonderfully prolific. Color of rich scarlet-red; setting very free in bunches. Equally good for outdoor culture as for forcing. Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.50.

Comet. This is a splendid variety of Tomato, and grown very largely in this country by both private and market-gardeners. It is very short-jointed, fruiting close up to the stem. The Tomatoes are of medium size; deep scarlet. Pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50.

Stirling Castle. A very superior variety for either forcing or outdoor culture. Very heavy cropper, of medium size, smooth and round. Color a clear red. Remarkable for its freedom of set and delicious flavor. (Seed English-grown.) Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.25.

GENERAL LIST OF OUTDOOR TOMATOES

EARLY SORTS

Earliana. The Earliest Red Tomato. The plants are of compact growth, with short, close-jointed branches, setting the fruit very freely in the center. The Tomato is of uniform size, averaging 3 inches in diameter, and from 2 to 2 1/2 inches in depth; solid, with few seeds, making a splendid variety for shipping. Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.25.

Chalk's Early Jewel. About a week later than Earliana. It is of uniformly large size; of brightest red, deep fruited and solid. Bears splendid, large-sized Tomatoes throughout the season, and for quantity and quality of fruit it is easily without a rival among the best extra-earlies. Pkt. 10 cts., 1/2 oz. 20 cts., oz. 35 cts., 1/4 lb. \$1.10, lb. \$4.

June Pink. The earliest pink Tomato, similar to Earliana except that the color is pink instead of red. The fruits are of fair size and ripen evenly, practically permitting the entire crop to be harvested at one time. Pkt. 10 cts., 1/2 oz. 20 cts., oz. 35 cts., 1/4 lb. \$1.10, lb. \$4.

SECOND EARLY, or MAIN-CROP SORTS

Acme. A purple-fruited Tomato, largely grown by the market-gardeners. The vines are large, bearing fruits in clusters of five or six right up to frost. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 70 cts., lb. \$2.50.

Coreless. Large size, globe-shaped, bright red; full stem end, heavy cropper. The two distinctive features which stand out most prominently are great depth from stem to blossom, and the depression at the stem has been almost entirely eliminated. Pkt. 10 cts., 1/2 oz. 30 cts., oz. 50 cts., 1/4 lb. \$1.75.

Crimson Cushion. The Crimson Cushion is more symmetrical in shape than the Ponderosa, and is much thicker through from stem to blossom end; in fact, so marked is this characteristic that it is frequently almost round. The color is brilliant scarlet-crimson, untinged with purple, and ripens up almost to the stem. The flesh is firm and "meaty," and of superb quality. Pkt. 10 cts., 1/2 oz. 30 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$4.

Dwarf Champion. Distinct in foliage and habit of growth, being compact and upright; fruits medium size and resembles the Acme in appearance, the color being a purplish pink; very smooth and symmetrical; fine quality and solid. Fruits midseason to frost. Pkt. 5c., oz. 25c., 1/4 lb. 75c., lb. \$2.50.

Dwarf Stone. The largest-fruited of all the dwarf Tomatoes. The fruits are produced in clusters of three to five, and, as the growth is close-jointed, each plant produces a large number. The Tomatoes average 4 inches in diameter and 2 1/2 inches in depth. Its dwarf, compact habit suggests its use to all amateurs. Pkt. 10 cts., 1/2 oz. 25 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$4.

Golden Queen. A large Tomato, of splendid shape; deep, rich yellow. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

New Globe. It is of beautiful globe-shape, with quite a percentage of elongated (stem to blossom) fruits, which permits of a greater number of slices being taken than with flat-fruited sorts. Among the very first to ripen, although of large size; very smooth, firm-fleshed, few seeds, ripens evenly; color a beautiful glossy rose, tinged purple. Flavor very delicate and agreeable; splendid slicing variety. The fruit is borne on short-jointed, branching plants in great abundance—literally loaded with fruit. A good general cropper, and one of the very best for greenhouse growing, or first-early crop. Pkt. 10 cts., 1/2 oz. 30 cts., oz. 50 cts., lb. \$5.

SECOND-EARLY OR MAIN-CROP TOMATOES, continued

Matchless. The color is rich cardinal-red. The skin is so tough that it is a splendid keeper and shipper, and is less liable to crack in wet weather than any other large Tomato. Unsurpassed for market or for table. The plant is a strong grower, and is very productive, bearing with undiminished vigor until frost. The fruit is free from core, and the seed-spaces are comparatively small. In flavor among the best. Pkt. 5 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

Ponderosa. Few Tomatoes equal this one in size and, while slightly ribbed, it is very solid and luscious for the family garden. The fruit is deep purple, oblong in form, generally ridged or ribbed with small seed-cells and frequently weighs one pound. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts., ¼ lb. \$1.50, lb. \$5.

Selected Stone. By far one of the best of the main-crop red Tomatoes. It is smooth, with very little core, and is not equaled by any other main-crop sort in its large yield of uniform-sized Tomatoes. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

SMALL-FRUITING TOMATOES

The fruits of these are largely used for making fancy pickles, preserves, etc. The plants are extremely productive.

Yellow Plum. Fruits are about 2 inches in length and 1 inch in diameter; are of a bright lemon-yellow; solid, fleshy and of excellent flavor. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.,

Yellow Pear. Similar to Yellow Plum, except in shape, which is a distinct pear-shape. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.

Peach. The fruits are about 1½ inches in diameter, similar to a peach, of a pinkish color. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.

Yellow Cherry. Small, yellow fruits about ½ inch in diameter, borne in clusters. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.

Red Cherry. Similar to the above except that it is bright red. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.

Red Pear-shaped. A leading favorite for preserves; of distinct pear-shape; fine flavor. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.

Strawberry, or Husk Tomato. The plants are of dwarf, spready growth and very productive. The fruit is yellow, about size of a good-sized strawberry and is inclosed in a husk. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.



Ponderosa Tomato

TOMATO PLANTS. Pot-grown

	Doz.	100
Crimson Cushion	\$0 75	\$5 00
Ponderosa	75	5 00
June Pink	75	5 00
Earliest of All	75	5 00
Early Michigan	60	4 00
Acme	60	4 00
Stone	60	4 00
Globe	75	5 00

We have Tomato plants, grown in flats, at 25c. per doz., \$2 per 100



Purple-Top White Globe Turnip

TURNIP

One ounce will sow about
150 feet of drill

CULTURE.—For early Turnips, sow as soon as the ground opens in spring. Rutabagas should be sown from any time in July to first of August; but the other kinds, for winter use, may be sown from the middle of July to the end of August. Turnips are generally sown broadcast, but much larger crops are obtained (particularly of the Rutabagas) by cultivating in drills 18 inches apart, and thinning to 6 inches in the drill. Sow in drills, one pound to the acre; broadcast, two to three pounds to the acre.

Early White Milan. As early as the Early Purple-top Milan and possesses all of its good qualities. The entire bulb, inside and out, is clear ivory-white in color; the outer surface is perfectly smooth. It grows so quickly that even the outer surface of the bulb is quite tender. Its table qualities are unequalled, being of the most delicate flavor and tempting appearance. It will undoubtedly find a welcome in our markets, as, in addition to the heavy crop assured by its adaptability for close planting, it will be found fit for use at least a week earlier than any other white variety in cultivation. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40c.

White Egg. Shape nearly oval; flesh firm; smooth white skin; mild and very sweet. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.25.

Early Snowball. Small, solid, crisp and sweet; one of the best for table use. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. \$1.

Purple-Top Munich. One of the earliest varieties. Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 50 cts.

Red-Top Strap-leaf. A standard sort, extensively grown for market and private use. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.25.

White Strap-leaf. Early variety. Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 50 cts.

Purple-Top White Globe. An early variety, globe-shaped, heavy cropper, in other respects similar to Red-Top Strap-leaf. A handsome-looking bulb, and is rapidly taking the lead of all other varieties of early Turnip for market-garden purposes. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.

Golden Ball, or Orange Jelly. This is the most distinct yellow Turnip we know. The flesh is of a very fine texture, making it one of the best table varieties. Its beautiful color and fine flesh have earned for it the synonym of "Orange Jelly," which well describes its appearance when ready for the table. The bulb is of medium size, with small tap-root, and is early in maturing. Pkt. 5 cts., oz. 15 cts., ¼ lb. 30 cts., lb. \$1.

TURNIPS, continued

Long White, or **Cowhorn**. A quick-growing, long-shaped variety, flesh fine-grained and sweet, excellent for table use. Pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.
White French, or **Sweet German**. A delicate-flavored variety; an excellent keeper and fine for table use. Pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.

Yellow Stone. One of the best yellow-fleshed sorts for table use. Pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.
Early Purple-Top Milan. Earliest of all purple-topped Turnips. Pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.
Yellow Aberdeen. A very hardy and productive variety of fine form and excellent quality. Pkt. 5 cts., oz. 15c., ¼ lb. 35c., lb. \$1.

Aromatic, Medicinal and Pot Herbs

	Pkt.	Oz.
Anise (<i>Pimpinella anisum</i>). Seeds aromatic and carminative.....	\$0 10	\$0 20
Balm (<i>Melissa officinalis</i>). For culinary purposes.....	10	30
Basil (<i>Ocimum basilicum</i>). Sweet. Culinary herb used for flavoring soups, etc.....	10	20
Bene (<i>Sesamum orientale</i>). The leaves used for dysentery.....	10	20
Borage (<i>Borago officinalis</i>). Leaves used as a salad.....	10	20
Caraway (<i>Carum Carui</i>). Used in flavoring liquors and bread.....	10	20
Catnip (<i>Nepeta cataria</i>). Has medicinal qualities.....	15	70
Coriander (<i>Coriandrum sativum</i>). Seeds aromatic.....	10	20
Dill (<i>Anethum graveolens</i>). Seeds used for flavoring vinegar.....	10	20
Fennel (<i>Anethum Foeniculum</i>). Florence. In flavor resembling celery.....	10	25
Horehound (<i>Marrubium vulgare</i>). Has medicinal qualities.....	10	40
Hyssop (<i>Hyssopus officinalis</i>). Has medicinal qualities.....	10	40
Lavender (<i>Lavandula vera</i>). True. For oil and distilled water.....	10	50
Marjoram (<i>Origanum Majorana</i>). Sweet. Used in seasoning.....	10	30
Mint (<i>Mentha piperita</i>). Peppermint.....	25	
Rosemary (<i>Rosmarinus officinalis</i>). Yields an aromatic oil and water.....	10	50
Rue (<i>Ruta graveolens</i>). Said to have medicinal qualities.....	10	30
Saffron (<i>Carthamus tinctorius</i>). Used in medicine and also in dyeing.....	10	20
Sage (<i>Salvia officinalis</i>). Common. A culinary herb; also used in medicine.....	10	20
Savory (<i>Satureja Hortensis</i>). Summer. Used as a culinary herb.....	10	20
Savory (<i>Satureja montana</i>). Winter. Used as a culinary herb.....	10	40
Tarragon (<i>Artemisia Dracunculus</i>). Does not produce seed. See Esculent Plants.		
Thyme (<i>Thymus vulgaris</i>). Broad-leaved English. Used as a seasoning.....	10	50
Thyme (<i>Thymus vulgaris</i>). French.....	10	40
Woodruff (<i>Asperula odorata</i>).....		1 00
Wormwood (<i>Artemisia Absinthium</i>). Has medicinal qualities.....	10	30

Root Crops for Feeding Stock

CARROT

Sow two to three pounds to the acre. From middle of May to July 1 for main crop; one foot apart between rows, thin out to 7 inches in the rows.

S. & W. CO.'S STRAIN DANVERS HALF-LONG. Deep orange color, of medium length, tapering uniformly to a blunt point. Flesh smooth, and although of medium length, this strain will give the largest yield per acre. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. \$1.50.

LONG ORANGE IMPROVED. An excellent long Carrot, of deep orange color; doing well in a deep soil. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. \$1.50.

MANGEL-WURZEL and SUGAR BEETS

Sow six to eight pounds to the acre during May and June; 2 feet apart between rows, thin out to 8 inches in rows.

CHAMPION YELLOW GLOBE. Globe-shaped roots of large size, adapted for growing in shallow soils. Oz. 10c., ¼ lb. 15c., lb. 50c.

Red Globe. Similar to Yellow Globe, except color of skin being red. Oz. 10 cts., ¼ lb. 15 cts., lb. 50 cts.

MAMMOTH LONG RED. The largest and heaviest cropper of all the Mangels. Dark red skin, with whitish flesh. Grows one-half or more above the surface. Oz. 10c., ¼ lb. 15c., lb. 40c.

SUGAR VARIETIES

KLEIN WANZLEBEN. Extensively grown for feeding and sugar. Oz. 10 cts., ¼ lb. 15 cts., lb. 50 cts.

IMPROVED WHITE SUGAR. Oz. 10 cts., ¼ lb. 15 cts., lb. 50 cts.

RUTABAGA (Russian, or Swedish Turnip)

Sow two pounds to the acre in June and July in drills, 2 feet apart; thin out to 9 inches in the row.

IMPROVED AMERICAN PURPLE TOP. A yellow-fleshed, purple top; great cropper; excellent for table or stock. Pkt. 5 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 80 cts.

LONG ISLAND IMPROVED. A very excellent variety; of very large size. Pkt. 5 cts., oz. 15 cts., ¼ lb. 25 cts., lb. 80 cts.

SKIRVING'S PURPLE TOP. A very heavy cropper; one of the best for field culture. Pkt. 5 cts., oz. 15 cts., ¼ lb. 25c., lb. 80c.

Esculent Plants, Roots and Herbs

	Each	Doz.	100
Chive Plants	\$0 25	\$2 50	\$20 00
Cinnamon Vine Roots	10	1 00	7 00
Hop Vine Roots	10	1 00	
Jerusalem Artichoke Roots ..qt. 25c., pk. \$1.			
Horse-Radish Roots (strong roots).....		15	75
Peppermint	15	1 50	12 00
Rosemary	15	1 50	12 00
Rhubarb Roots (Giant Crimson Winter)....	25	2 50	15 00
Sage	15	1 50	12 00
Tansy	15	1 50	12 00
Tarragon . Strong 3-inch pot plants.....	35	3 50	25 00

FORCING ROOTS

Asparagus, Conover's Colossal, or Palmetto. Forcing crowns. \$7 per 100, \$60 per 1,000.

Sea Kale (*Crambe maritima*). Sea Kale is almost unknown in America, but considered quite a delicacy in Europe. It is one of the most succulent and edible vegetables known, and can be forced like rhubarb, or grown in the open ground and protected so that it will bleach. In form and flavor it is not unlike celery, though it is not eaten raw, but boiled and served with drawn butter. We are importing some specially fine stock this winter.

Imported Extra-selected Forcing Crowns. Doz. \$2, 100 \$15, per 1,000 \$140.

GENERAL LIST OF FLOWER SEED

In presenting this list of **Flower Seeds** for your attention, every care has been taken to secure **seeds** from sources of supply known to us, from our experiences and from our tests at our **trial grounds**, to be of the highest possible merit. Our Flower Seeds are selected with an idea of superiority of strain and we handle only the highest possible types in each respective class.

We mail all **Flower Seeds FREE OF COST** to any post office in the **United States**.

ANNUALS grow from seed, flower and mature their seed in same season.

HARDY ANNUALS can be sown outdoors in open ground.

HALF HARDY ANNUALS should be started early in house or hot-bed and transplanted to the open ground as soon as danger of frost is past.

BIENNIALS. Sown usually from early July to late August and come to bloom next season.

HARDY BIENNIALS may be left in ground over winter.

HALF HARDY BIENNIALS. Protection of coldframe is necessary over winter.

PERENNIALS. Grow from seed and usually flower annually for a number of years. Bloom season after which seed is sown; but can be had in flower first season if planted early in a moderate heat.

HARDY PERENNIALS. Can be left in open ground without any protection, but this is not necessarily recommended.

HALF HARDY PERENNIALS. Require protection of coldframe or greenhouse during winter.

The following abbreviations will be used to designate the classes under which various flower seeds offered come.

H.C. Hardy Climber.

G.B. Greenhouse Bulbous Plants.

G.C. Greenhouse Climbing Plants.

G.P. Greenhouse Plants.

G.S. Greenhouse Shrubs.

ABUTILON, Finest

Mixed (Chinese Bellflower, Flowering Maple). G.S. Attractive cool-house shrub and window plant. Perpetual-blooming plants bearing lovely bell-shaped flowers valuable both for winter decoration and summer bedding. Height 4 feet. Pkt. 25 cts., 1-32 oz. \$1.

ABRONIA. Verbena-like plants, very fragrant, especially toward evening. Charming trailers for vases, rockwork, etc. Half-hardy annual.

Umbellatum. Rosy pink. Height, 3 ft. Pkt. 5 cts.

Arenaria. Lemon-yellow. Height, 3 ft. Pkt. 5 cts.

ABRUS Precatorius

(Prayer Bean, Crab's Eye). Chiefly remarkable for its small egg-shaped seeds, which are of a brilliant scarlet color, with a black mark. These seeds are used for necklaces and other ornamental purposes. Pkt. 10 cts.

ACACIA. Decorative greenhouse shrubs with elegant foliage; flowers yellow, white or red. 3 to 6 feet. Perennial.

Mixed Varieties. Pkt. 5 cts.

ACHILLEA

Ptarmica, The Pearl (Sneezewort). Hardy perennial. One of the best, bears a profusion of small, double, white flowers during the entire season. Fine for cutting. Height 2½ feet. Pkt. 25 cts., 1/4 oz. \$2.

ACONITUM (Aconite, Monkshood, Wolfsbane). Hardy perennials. Showy spikes of hood-shaped flowers. 4 feet. June to September.

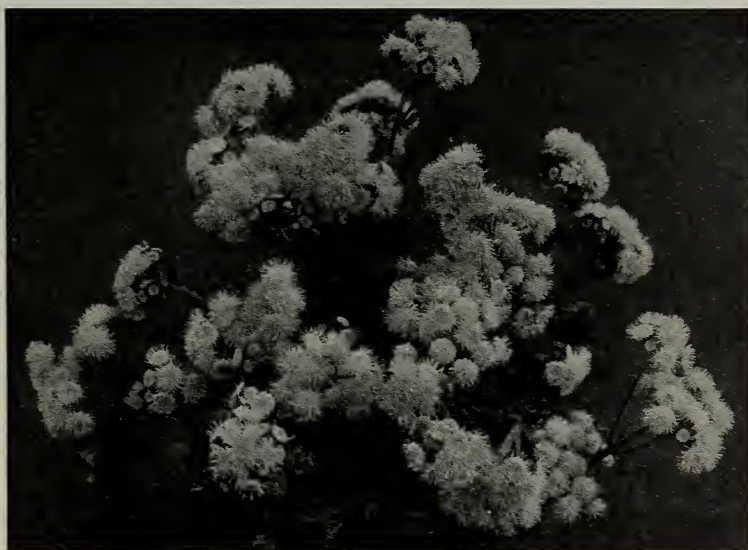
Napellus. Blue. Pkt. 10 cts., oz. 75 cts.

Finest Mixed. All colors. Pkt. 10 cts., oz. 75 cts.

ACROCLINIUM album fl. pl. Hardy annual, with everlasting flowers. Good for cutting. Like all straw flowers, should be dried thoroughly before used. Flowers double white. 1 foot. July to October. Pkt. 5 cts., oz. 25 cts.

Roseum. Single pink. Pkt. 5 cts., oz. 25 cts.

Fl. Pl. Double pink. Pkt. 5 cts., oz. 25 cts.



Ageratum

Coronaria (Rose Campion, Mullein, Pink). Hardy perennial; flowers dark blood-red and very large; foliage silvery. Height 2 feet. June to September. Pkt. 5 cts., oz. 50 cts.

AGERATUM (Flos Flower)

Half-hardy annual, used very extensively for edging beds of Coleus, Cannas or Geraniums. Blooms continuously all summer.

Album. White. Pkt. 5 cts., oz. 25 cts.

Tom Thumb, Blue. Pkt. 5 cts., oz. 50 cts.

Tom Thumb, White. Pkt. 5 cts., oz. 50 cts.

Tom Thumb, Princess Pauline. Sky-blue, white center. Pkt. 10 cts., oz. 75 cts.

Little Dorrit. Blue. 6 inches. Pkt. 10 cts., oz. 75 cts.

Little Dorrit. White. 6 inches. Pkt. 10 cts., oz. 75 cts.

Swanley Blue. Pkt. 10 cts., oz. 75 cts.

Ageratum Mexicanum Capella

This new Tom Thumb Ageratum differs from all other dwarf varieties by the decidedly distinct and pretty rosy chamois color of the flowers. Habit dwarf and compact; height 9 to 10 inches. Pkt. 15 cts., 2 pkts. 25 cts.

Ageratum, Little Blue Star

A handsome new variety, quite different from all the other dwarf sorts. Grows about 5 inches high, and is just covered with bright blue flowers. Pkt. 25 cts.



Border of Alyssum

ALYSSUM

This most popular hardy annual needs little introduction. Used extensively as a border for the flower garden, but equally valuable as a cut-flower, owing to its delightful fragrance.

Little Gem (Maritimum). Plants grow very dwarf and spreading; they grow only 3 to 4 inches high, and each plant completely covers a circular space of 12 to 20 inches. Pkt. 5 cts., oz. 50 cts.

Sweet Alyssum (Benthami). Well-known fragrant white. Pkt. 5 cts., oz. 50 cts.

White Carpet (*A. compactum procumbens*). Pure white; grows only 2 to 3 inches high and flowers profusely. Pkt. 10 cts., oz. \$1.

Saxatile compactum (Hardy Perennial). Excellent rock or border plant, bearing bright yellow flowers from April to June. Height 9 inches. Pkt. 10 cts., oz. 60 cts.

ALOYSIA citriodora (Lemon Verbena). A greenhouse shrub, valuable for the fragrance of the foliage. 2 feet. Pkt. 10 cts., ¼ oz. 50 cts.

AMARANTUS

Brilliant-foliaged annuals, growing from 3 to 5 feet high, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, or for the center of large beds. They thrive best in a hot, sunny location, not too rich soil; must be given sufficient room to develop their full beauty.

Caudatus (Love-Lies-Bleeding). Blood-red; drooping. Pkt. 5 cts.

Cruentus (Prince's Feather). Dark red, feathery flowers. Pkt. 5c.

Tricolor (Joseph's Coat). Leaves red, yellow and green. Pkt. 5c., ¼ oz. 15 cts.

AMPELOPSIS Veitchii (Boston, or Japan Ivy). Valuable, hardy and perennial climber, clinging to walls of wood, brick or stone; foliage dense, of glossy green, changing to red and yellow in the autumn. Pkt. 10 cts., oz. 30 cts.

ANEMONE BULBS

The beauty of Anemones has been largely commented on, and there are many varieties that suggest themselves to the gardener. The poppy-flowered varieties may be had in bulbs, and if planted in the spring time, with a little care will give excellent satisfaction. None of the spring flowers surpass the Anemone for brilliancy of color or profusion of bloom. They are very lasting, and of recent years have been grown very extensively for table decoration.

The following varieties grow about a foot high and bloom very profusely the first season; the results obtained are far more satisfactory than those produced by the planting of seed for which you have to wait several years before blooming.

Single White, Single Blue, Single Scarlet, Single Crimson, Single Mixed, and Double Mixed. 25 cts. per dozen, \$1.75 per 100.

ANCHUSA

Barrelieri (Alkanet). Hardy perennial. Flowers deep blue, with a white tube and pink throat, borne on spikes 2 feet high; good for cutting. June to September. Pkt. 10 cts., ¼ oz. 30 cts.

Capensis. Biennial. Flowers azure-blue. 1½ feet. July and August. Pkt. 5 cts., oz. 30 cts.

Italica. Hardy perennial. Deep blue. 3 feet. June to September. Pkt. 5 cts., oz. 50 cts.

Sempervirens. Hardy perennial. Rich blue. 1½ feet. May. Pkt. 5 cts., oz. 50 cts.

Anchusa Italica, Dropmore Variety NEW

The bright blue forget-me-not-like flowers are borne on graceful stems during the entire season and way late into the fall. It is a great improvement over the existing varieties. Hardy perennial. 4 to 5 feet. Pkt. 20 cts.

ALSTROEMERIA, Finest Mixed. Hardy perennial. Beautiful lily-like flowers, borne in clusters ranging from light yellow to orange. Height 3 feet. June to August. Must be grown in moist, shady spots. Pkt. 25 cts., ¼ oz. 75 cts.

ANEMONE, Single Giant de Caen (Windflower). The giant French Anemone. Half-hardy perennial. Excellent for cutting. Cup-shaped flowers in blue, red and white. May and June. 9 inches. Pkt. 5 cts., ¼ oz. 50 cts.

St. Brigid (Irish Anemone). Enormous blooms the size of tulips, with a great variety of striking colors. Pkt. 15 cts., ¼ oz. \$1.

ANTHEMIS Kelwayi (Marguerite). Hardy perennial. Large daisy-like yellow flowers, good for cutting. Height 2 feet. July to September. Pkt. 10 cts., oz. 60 cts.

Nobilis. White. 2 feet. Pkt. 10 cts., oz. 60 cts.

ANTHERICUM Liliago (St. Bernard's Lily). Stately hardy perennial, with pure white lily-like flowers. Height 2 feet. May to August. Pkt. 10 cts., oz. 60 cts.

ANTIRRHINUM (Snapdragon)

Antirrhinums, or Snapdragons, are among the most showy of our half-hardy perennials. When sown under glass in February, they can be brought to bloom during July. As a cut-flower, the tall varieties are exceedingly attractive, while the dwarf varieties look very pleasing when used for borders or edging of beds; grown under glass, also for winter flowering.

S. & W. Co.'s Giant-flowered Antirrhinum

Height about 3 feet

- Coral-Red.** A pretty and attractive shade. Pkt. 10 cts., ¼ oz. 35 cts.
Blood-Red. Striking in color. Pkt. 10 cts., ¼ oz. 35 cts.
Carmine-Rose. Carmine; yellow blotch on lower lip. Pkt. 15 cts., ¼ oz. 60 cts.
Chamois. Very handsome new color. Pkt. 15 cts., ¼ oz. 75 cts.
Album. Very large; white. Pkt. 15 cts., ¼ oz. 40 cts.
Luteum. Pure yellow. Pkt. 10 cts., ¼ oz. 35 cts.
Rose Dore. A pretty shade of self salmon-rose. Pkt. 15c., ¼ oz. 40c.
Fairy Queen. Rich salmon, white throat. Pkt. 10 cts., ¼ oz. 35 cts.
Queen Victoria. A very large white. Pkt. 10 cts., ¼ oz. 35 cts.
Scarlet. Very attractive. Pkt. 10 cts., ¼ oz. 35 cts.
Special Mixture, Named Sorts. Pkt. 5 cts., ¼ oz. 25 cts., oz. 75 cts.
Collection. 10 named varieties, \$1. 5 named varieties, 50c.

S. & W. Co.'s Semi-dwarf Antirrhinums

Height about 18 inches

- Black Prince.** Dark crimson; foliage dark. Pkt. 10c., ¼ oz. 50c.
Crimson King. Bright crimson. Pkt. 10 cts., ¼ oz. 50 cts.
Golden Queen. Rich yellow. Pkt. 10 cts., ¼ oz. 35 cts.
Pink Empress. Deep rosy pink. Pkt. 10 cts., ¼ oz. 40 cts.
Queen of the North. White; excellent bedding variety. Pkt. 10c., ¼ oz. 35 cts.
Striatum. Very fine striped. Pkt. 10 cts., ¼ oz. 35 cts.
Special Mixture, Named Sorts. Pkt. 5 cts., ¼ oz. 25 cts., oz. 75 cts.
COLLECTION
 Six named varieties..... \$0 50

S. & W. Co.'s Dwarf Antirrhinums

Height about 12 inches

- These varieties make very fine pot-plants. Pkt. ¼ oz.

Dwarf White \$0 15	Dwarf Orange ... \$0 15
" Scarlet 15 50	" Rose 15 50
" Yellow 15 50	" Striped 15 50

Mixture, Named Sorts..... 10 25

COLLECTION. Six named varieties..... \$0 50

Antirrhinum, Double White Large-flowering.

Quite a new departure in the class of tall, large-flowering Snapdragons is here offered. Out of the mouth-like aperture in the flowers, between the upper and lower lips, emerge abnormal fantastic petals, which give a double and beard-like aspect to the very large bloom. In 60 to 70 per cent of the seedlings this phenomenon is more or less in evidence, the remainder producing perfect flowers of extra size, such as are otherwise seen only in the Queen Victoria and other grandiflorum varieties. A striking effect is produced by the long spikes of beautiful white flowers when used for bedding. Pkt. 15c.

New Antirrhinum, Dwarf Large-flowering

- Maize Queen.** Fine salmon-maize, with yellow lip; dark green foliage; fine, large flower. Pkt. 15c.
Pink Queen. Color a lovely pink, with yellow lip; large flower; dark green foliage; very beautiful variety. Pkt. 15 cts.
Dainty Queen. The color of this variety is a beautiful yellow lip; a most pleasing and attractive color. Pkt. 15 cts.
Rose Queen. Flower bright rosy pink, with citron lip, deepening at top. Pkt. 15 cts.
Buff Queen. Flowers a lovely shade of rose, with deep canary lip, shaded orange. Pkt. 15 cts.
Golden Fairy. Color a beautiful shell-pink, with delicate lemon-yellow blotched lip; pale foliage. Pkt. 15 cts.



ANTIRRHINUM (Snapdragon)

AQUILEGIA

(Columbine)

The Aquilegias are fine, free-flowering hardy border plants. Seed may be planted in the open ground early in the spring, and will, in the case of single varieties, bloom the same season. Best results are obtained by planting in August, when they will come up early in the spring, making vigorous plants, and will bloom during late spring and early summer.

Aquilegia, S. & W. Co.'s Giant Long-spurred Strain

- A very excellent mixture of Columbines, comprising new and pleasing shades and combinations, effective and striking in the individual flowers, in many shades of lavender, blue, mauve, white, yellow, orange, scarlet and bright rose-pink. Pkt. 25 cts., 5 pkts. \$1.
California hybrida. Beautiful flowers, principally yellow and orange shades. Pkt. 15 cts., ¼ oz. \$1.25.
Chrysantha. Canary-yellow. About 3 feet. Pkt. 10c., ¼ oz. \$1.00.
Coerulea. Violet-blue and white. About 2 feet. Pkt. 15c., ¼ oz. \$1.25.
Rose Queen. Rose shades with white center and yellow anthers; beautiful. 3 feet. Pkt. 25 cts.
Skinneri. True scarlet tipped with green. 3 feet. Pkt. 25 cts.
Stewartii. Beautiful large pale blue. 2 feet. Pkt. 50 cts.
Double Mixed. Very fine. 3 feet. Pkt. 10 cts.

- Single Mixed.** Very fine. 3 feet. Pkt. 10 cts.
ARCTOTIS grandis. Half-hardy perennial; excellent for border. Pkt. 10 cts., ¼ oz. 50 cts.
ARDISIA crenulata. Greenhouse shrub, bearing bright coral berries. Pkt. 25 cts.
ARISTOLOCHIA sipho (Dutchman's Pipe Vine). A very attractive and highly ornamental climber, with flowers resembling the pitcher plant. Pkt. 10 cts.
ARTEMISIA argentea (Old Man). Hardy perennial. 1 foot. Pkt. 5 cts.
ASCLEPIAS tuberosa (Butterfly Weed, Milkweed). Hardy perennial. Brilliant orange and yellow flowers in flat-topped, terminal clusters; leaves lanceolate, shiny, olive-green. Dry soil. 2 feet. June to September. Pkt. 15 cts., ¼ oz. 75 cts.
Halli. New. Pure white. Pkt. 25 cts., ¼ oz. 75 cts.
ASPARAGUS plumosus nanus. A graceful pot-plant for either house or conservatory. Finely cut foliage. Pkt. 25c., 100 seeds \$1.
Sprengeri. Drooping foliage, adapted for hanging-baskets or cutting. Pkt. 25 cts., oz. 75 cts.

ASTERS

S. & W. CO.'S SELECTED

Plants may be obtained from seed sown in the open ground in May by September; but we recommend all early varieties being planted in coldframes or started in boxes in a sunny window. A goodly share of blooms may be obtained by sowing earlier varieties in this manner, and in order to prolong the blooming season we suggest growing Queen of the Market as an early variety, Comets for intermediate, and Branching for late.

Superlative Strain, Queen of the Market

We recommend starting seed of this positively meritorious strain very early in January.

	Pkt.	1/4oz.	Oz.
Extra-Early White	\$0 05	\$0 50	\$1 50
" " Crimson	05	50	1 50
" " Rose	05	50	1 50
" " Dark Blue	05	50	1 50
" " Light Blue	05	50	1 50
" " Flesh-Color	05	50	1 50
" " Pink	05	50	1 50
" " Scarlet	05	50	1 50
" " Red-Lilac	05	50	1 50
" " Finest Mixed	05	35	1 25

COLLECTION

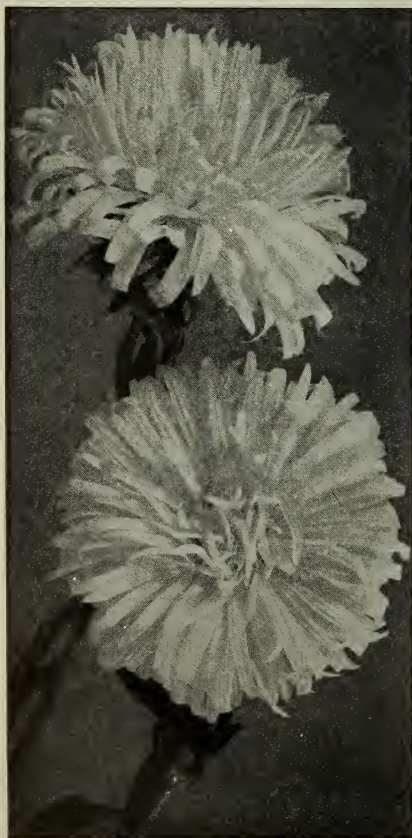
Packet each, 9 varieties\$0 40

S. & W. Co.'s Late Branching Asters

This exceptionally fine Aster is without a rival. It is as well known in Europe as in America, and although we placed it on the market only a few years ago, to day every florist has a fine stock of the flowers in his window just before the chrysanthemum comes in; and it is often mistaken for the chrysanthemum, which it so much resembles. The flowers are of extraordinary size—much larger than other varieties—and stand erect on long, graceful stems, well above the foliage; flower-stems 15 to 20 inches long. Grand for cutting. Plants extra large and of strong growth; one plant will cover a space 2 1/4 feet square. By far the most satisfactory Aster grown.



A Planting of S. & W. Co.'s Late Branching Asters



HOHENZOLLERN ASTERS

	Pkt.	1/4oz.		Pkt.	1/4oz.
Pure White	\$0 10	\$0 50	Shell-Pink	\$0 10	\$0 50
Rose-Pink	10	50	Lavender	10	50
Purple	10	50	Crimson	10	50
Carminc	10	50	Mixed	10	40

Any of the above, \$1.50 per oz.

COLLECTION

Packet each, 7 varieties\$0 50

Hohenzollern Asters

THE NEW, EARLY-FLOWERING, OSTRICH FEATHER ASTER

This is the finest of all the early-flowering Asters; the plants grow tall and branching, bearing flowers of mammoth size on exceedingly heavy, long stems. Many stems have measured 18 to 24 inches in length. The flowers are of the finest and purest colors, measuring 6 to 8 inches in diameter, and rivaling the finest chrysanthemums. A great improvement in Asters; as a cut-flower it is ahead of anything we have ever seen.

	Pkt.	500 seeds		Pkt.	500 seeds
White	\$0 15	\$0 50	Rose	\$0 15	\$0 50
Dark Blue	15	50	Crown Prince. Carmine	15	50
Syringa Blue. Beautiful blue.	25	1 00	Mixed	10	25

COLLECTION

Packet each, 5 varieties\$0 75

Dwarf Chrysanthemum-Flowered Asters

A large-flowering dwarf Aster; grows about 1 foot high. Excellent for ribbon borders, beds or pots. Blooms during August.

	Pkt.	1/4oz.		Pkt.	1/4oz.
White	\$0 10	\$1 00	Carminc	\$0 10	\$1 00
Deep Blue	10	1 00	Rose	10	1 00
Fiery Scarlet	10	1 00	Mixed	10	1 00
Light Blue	10	1 00			

COLLECTION

Packet each, 6 varieties\$0 50

Giant Comet Asters

Flowers of immense size, often 6 inches across, composed of long, wavy, twisted petals, gracefully formed into loose, yet densely double half-globes. Each plant bears 15 to 20 flowers on very long stems, making them especially valuable for cutting.

	Pkt.	1/4oz.		Pkt.	1/4oz.
Snow White	\$0	\$1 00	Scarlet	\$0	\$1 00
Rose	10	1 00	Yellow	10	1 00
Light Blue	10	1 00	Peach	10	1 00
Lilac	10	1 00	Mixed	10	1 00
Crimson	10	1 00			

COLLECTION, 1 pkt. each of 8 varieties, 60 cts.

Victoria Asters

One of the handsomest varieties, both in size and color. They bloom profusely, and the colors include many extremely delicate and some bright colors.

	Pkt.	1/4oz.
White	\$0	\$1 00
Rose	10	1 00
Crimson	10	1 00
Light Blue	10	1 00
Dark Blue	10	1 00
Mixed	10	1 00

Giant Crego Asters

A flower of the Giant Comet type, often measuring from 4 to 5 inches in diameter and resembling large chrysanthemums. They are of strong growth, attaining the height of three feet.

	Pkt.	1/4oz.
White	\$0	\$1 00
Rose	10	1 00
Light Pink	10	1 00
Lavender	10	1 00
Crimson	10	1 00
Mixed	10	1 00

Christmas-Tree Asters

A very dwarf variety, largely used for pot-culture. Blooms of medium size and of very free flowering. White, Rose and Blue. Pkt. 10 cts., 1/4oz. 50 cts.

Single Comet Asters

This type of Asters have met with considerable demand recently. From a decorative point of view the possibilities are immense; their large blooms often measuring 5 to 6 inches across make them truly conspicuous.

	Pkt.	1/4oz.
White	\$0	\$0 50
Light Rose	10	50
Bright Rose	10	50
Light Blue	10	50
Dark Blue	10	50
Mixed	10	50

Collection, 1 pkt. ea. of 5 vars. 40c.

Purity.

A pure white Aster of great beauty. The plant is of most symmetrical habit, usually growing about 18 inches high. The plants are literally one mass of snow-white flowers of large size, resembling great balls of snow. As a cut-flower variety, Purity is first-class, the stems being long and strong; the plant is of branching habit. This variety is highly thought of by all florists, and we predict that it will become one of the leading white Asters for florists' use. Pkt. 10 cts., 1/4oz. 50 cts.

Daybreak.

A most beautiful bushy, branching Aster, growing about 2 feet high, with large, double flowers composed of incurved petals almost as regularly placed as in a dahlia. The coloring is an exquisite tint of rosy shell-pink, the flowers are borne upright on stiff, long stems, and the plants in bloom are charming beyond description, and for cutting purposes there is not a finer Aster grown. Pkt. 10 cts., 1/4oz. \$1, oz. \$3.50.

Mary Semple. Pink Branching. A beautiful and popular variety of the Branching Aster. The flowers are very large and the color is an exquisite shade of bright pink, very much the color of Enchantress carnation. Stems long and stiff. A grand Aster for cutting purposes, and for shipping has no equal. Pk. 10 cts., 1/4oz. 50 cts., oz. \$3.50.

Vick's Mikado Pink Rochester. Official flower of the City of

Rochester. The petals are narrow, very long, and gracefully reflexed. The outer petals show to their full extent, while gradually, toward the center, they bend and curl across each other in magnificent disorder. Color is an exquisite shade of lavender-pink. While strictly a Comet Aster, the strongly growing, freely branching, long-stemmed plants quite resemble the branching sorts. In growth it is unusually vigorous, the average plant having a dozen long, strong, graceful stems, each crowned with flowers from 4 1/2 to 6 inches in diameter. Vick's Mikado Pink Rochester comes into bloom between Queen of the Market and S. & W. Co.'s Late Branching. Pkt. 15 cts., 1/4oz. \$1.

HARDY PERENNIAL ASTERS

(Michælmās Daisies)

These handsome flowers are very beautiful and easy of culture.

Alpinus speciosus. Dark blue. Height 2 ft. July. Pkt. 15 cts., 1/4oz. 75 cts.

Bessarabicus. Pink. 3 feet. August. Pkt. 10 cts., 1/4oz. 75 cts.

Novae-Angliae. Mixed. 4 feet. September. Pkt. 10 cts., 1/4oz. 75 cts.

Sub-Ceruleus. Large flowers, 3 ins. across; very striking, bold orange-yellow center. 2 feet. Pkt. 25 cts., 1/4oz. \$1.25.

ASPERULA odorata (Sweet Woodruff). Hardy perennial. Handsome creeping plant, with deep green whorled foliage and pretty white flowers. Especially useful for carpeting in shady situations. 6 inches. June and July. Pkt. 10 cts., oz. 80c.

BABY'S BREATH. See Gypsophila.

BACHELOR'S BUTTON. See Centaurea.

BALLOON VINE. Annual climber. Flowers white; seed-vessels like small balloons; pretty foliage; grows rapidly. 8 feet. Pkt. 5 cts., oz. 25 cts.

BAPTISIA australis (False Indigo). Hardy perennial. Free-growing plant, with deep green cut foliage and lupine-like dark blue flowers in long racemes. 3 feet. June and July. Pkt. 5 cts., oz. 30 cts.

BARTONIA aurea. Hardy annual. Very bright golden flowers from July to September. Fine for cutting. 1 ft. Pkt. 5 cts., oz. 25 cts.

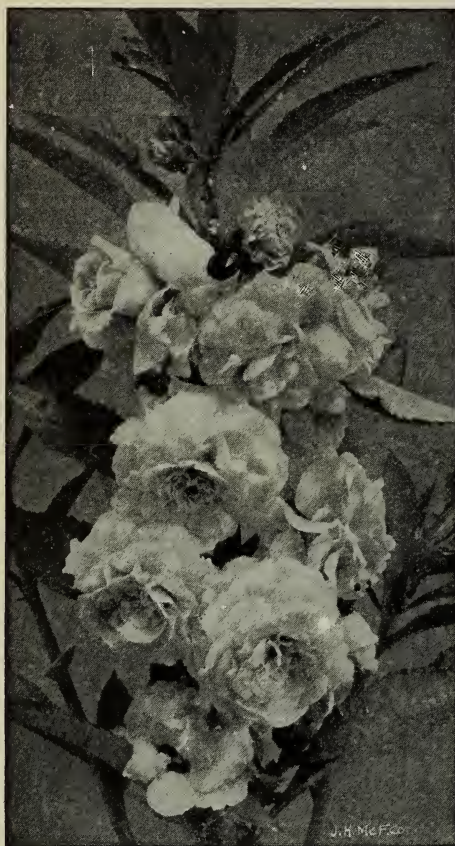


S. & W. Co.'s Queen of the Market Strain Asters (See page 40)

CULTURE OF ASTERS

Asters will thrive in any good soil, prepared in the same way as you would for a crop of vegetables, but it is well to remember that any extra care taken in the preparation of the soil is repaid by finer plants, larger blooms, with longer stems and more profuse flowering. They should have an open, sunny position, and prefer a good, heavy, loamy soil enriched with a liberal quantity of Bone Dust No. 2, and an addition of air-slaked lime, and we do not advise growing them on the same ground two years in succession; it is better to change each season. For early flowering, seeds should be started in a sunny window, hot-bed or cold-frame in April and transferred to their place in the garden as soon as danger of frost has gone by. For August (midseason) and September (late) sow seeds outside on finely prepared ground in May, thinning out to one foot in the rows and two feet between. With the above prescribed treatment and frequent cultivation of plants to ensure a steady growth until flowering, excellent large blooms with long stems can be obtained.

Many of our Asters are home-grown by an Aster seed specialist. Every attention is given to see that all seed is of best quality in each of their respective types



DOUBLE BALSAM

CALCEOLARIA G. P.

The strains offered herewith are grown by a famous English seed-growing specialist and are the finest in existence.

James's Giant Strain. Pkt. 50c. **Carter's Prize Strain.** Pkt. 50c. **Rugosa.** Shrubby, for bedding. Pkt. 50 cts.

CALENDULA (Pot Marigold)

One of the best and showiest as well as free-blooming hardy annuals, growing in any good garden soil.

Meteor. Double yellow, striped with orange. Pkt. 5 cts., oz. 25 cts.
Prince of Orange. Similar to Meteor but much darker. Pkt. 5c., oz. 25c.
Sulphurea fl. pl. Large double flowers of pleasing sulphur-yellow color. Pkt. 5 cts., oz. 25 cts.
Ranunculoides fl. pl. Striped and margined. Pkt. 5 cts., oz. 25 cts.
Pongeei fl. pl. Large double white flowers. Pkt. 5 cts., oz. 25 cts.

CALLIOPSIS (Coreopsis)

This genus embraces a very useful and brilliant class of hardy annuals as well as perennials. Sow annuals outdoors in May where intended to bloom, and thin out to stand 6 to 12 inches apart.

Drummond, or Golden Wave. Uniform orange-yellow; 1 ft. Pkt. 5 cts.
Tinctoria marmorata. Marbled yellow and brown. 2 ft. Pkt. 5c., oz. 30c.
Coronata. Rich yellow, slightly spotted with red. Pkt. 5 cts.
Tall Mixed. Pkt. 5 cts. **Dwarf Mixed.** Pkt. 5 cts.

PERENNIAL VARIETIES

Calliopsis grandiflora. Hardy perennial. Deep golden yellow flowers on fine stems for cutting. Cup-shaped flowers and glabrous leaves. 2 ft. All summer. Pkt. 10 cts., oz. 50 cts.
Calliopsis lanceolata grandiflora. Same as above, except that the foliage is lanced. Pkt. 10 cts., oz. \$1.

BALSAM (Lady Slipper)

An old and favorite garden flower, producing its gorgeous masses of beautiful, brilliant-colored double flowers in the greatest profusion; of easiest culture; succeeds in a good, rich soil. Tender annuals. 2 feet. Start the seed indoors in April, or sow out-of-doors in May. When specimens are wanted, plant at least 18 inches apart; splendid when grown in pots.

	Pkt.	Oz.		Pkt.	Oz.
Double Rose	\$0 10	\$1 00	Double Yellow	\$0 10	\$1 00
" White	10	1 00	" Carmine	10	1 00
" Lavender	10	1 00	" Scarlet	10	1 00
			" Finest Mixed	10	1 00

BEAN, Scarlet Runner. The well-known rapid-growing annual climber, with bright red flowers from July to September. Fruit is a most delicious vegetable. 8 feet. Pkt. 5 cts., qt. 40 cts.

BELLIS (English Daisy)

The poet's favorite and one of the most charming spring flowers; will stand the winter if given the protection of a few leaves or litter; in bloom from early spring until well on in the summer.

	Pkt.		Pkt.
Giant-flowering Red	\$0 25	Double Red Quilled	\$0 25
" Pink	25	Snowball	25
" White	25	Double Mixed	10

BEGONIAS

There are no more popular bedding plants than the Begonia of the Semperflorens type. They do well in the full sunlight, and where they receive partial shade are an excellent subject for beds or edgings of beds. Perfect masses of bloom from May until frost. To obtain best results, start in January either indoors or in hotbeds.

Gracilis, Prima Donna. Limpid rose shaded toward carmine in the center. The plants grow about 10 inches high and form a freely branching bush 10 to 12 inches across, and make a free and continuous display above the fresh green, slightly brown-tinted foliage. Pkt. 25 cts.

Erfordii. Bright rosy carmine. Pkt. 25 cts.

Luminosa. Brilliant fiery dark scarlet. Pkt. 25 cts.

Rose. A very free-blooming variety of delicate rose. Pkt. 10 cts.

Vernon. Superb variety; flowers brilliant rich red, which are set off perfectly by the abundant glossy green leaves, broadly margined with bronze and purple. Extremely hardy and floriferous. Seed sown outdoors in May will produce excellent blooming plants early in the summer; one of the best varieties for the amateur gardener to sow. Pkt. 10 cts.

Tuberous-rooted, Single Mixed. Pkt. 25 cts.

" **Double Mixed.** Pkt. 25 cts.

BRACHYCOME (Swan River Daisy). A charming dwarf plant of easy culture, covered with a beautiful mass of Cineraria-like flowers. Half-hardy annual.

Iberidifolia. Blue and white. ½ foot. Pkt. 5 cts.

BROWALLIA. Handsome annuals, with blue or white flowers completely studding the bushy plants the entire summer. 1½ ft.

Nana compacta. Blue. Dwarf and compact. Pkt. 10 cts.

Speciosa major. Individual flowers are fully 1 inch across, of rich indigo-blue. 1 foot. Bushy. Pkt. 10 cts.

Mixed Colors. Pkt. 5 cts.

CALACIA coccinea (Tassel Flower). Hardy annual; bright red tassel-like flowers. July to Oct. 1½ ft. Pkt. 5c., oz. 40c.



CARTER'S PRIZE STRAIN CALCEOLARIA

CAMPANULA (Bellflower)

PERENNIAL VARIETIES

Very beautiful, hardy, herbaceous perennial, bearing a great profusion of attractive Bellflowers; thrives best in light, rich soil; some of the varieties flower first season if sown early.

Carpatica. Deep blue; fine for beds; grows six inches high; flowers all summer. Pkt. 10 cts., oz. 60 cts.

Carpatica alba. White. Pkt. 10 cts., oz. 60 cts.

Persicifolia grandiflora, Blue. A very pretty perennial variety; flowers very large. June and July. Pkt. 25 cts.

Persicifolia grandiflora alba. White. June and July. Pkt. 25 cts.

Persicifolia fl. pl., Moerheimi. New. A grand acquisition for garden; long spikes of double white flowers. Pkt. 50 cts.

Persicifolia, Fairy Queen. The finest colored bluebell. Rich azure-blue; flower very large. Pkt. 25 cts.

Pyramidalis (Chimney Bellflower). Spikes 3 to 4 feet tall; erect, pyramidal flowers; large and of beautiful blue. Pkt. 10 cts.

Pyramidalis. White. Pkt. 10 cts.

BIENNIAL VARIETIES

Campanula Medium. A very pretty species which may be had in bloom from seed first season if sown early.

	Pkt.	Oz.		Pkt.
Medium Single White	\$0 05	\$0 40	Medium Double Blue	\$0 10
" Rose	05	35	" White	10
" Striped ..	10	40	" Rose	10
" Blue	05	35	" Mixed	10
" Mixed	05	30		

CAMPANULA CALYCANTHEMA

(Cup-and-Saucer)

Blue	Pkt. \$0 10
White	10
Rose	10
Striped	10
Splendid Mixed	10

ANNUAL VARIETIES

Macrostylia. Large violet flowers. Pkt. 10 cts.

Macrostylia rosea. Charming variety. Pkt. 10 cts.

CANARY BIRD FLOWER (Tropæolum). A rapid-growing summer climbing annual, producing hundreds of its pretty fringed bright yellow flowers, which resemble a canary bird with expanded wings. Pkt. 5 cts., oz. 50 cts.



GIANT HYACINTH-FLOWERED CANDYTUFT



CAMPANULA (Bellflower)

CANDYTUFT (Iberis)

HARDY ANNUALS

The Candytuft is almost as fragrant as the sweet alyssum and very popular. Very useful as a bedding plant or for border work. Sow outdoors in April, where they are to bloom, and thin well when the plants grow about 1 inch. Sow also in July for fall blooming. Where grown in rows best results for cut-flowers can be obtained only by giving the plants at least a foot apart in the rows and 1½ feet between the rows.

S. & W. Co.'s Giant Hyacinth-flowered.

Immense white spikes; largely grown for cut-flowers. Pkt. 25 cts., oz. \$3.

Empress. Also grown to a great extent for cut-flowers. Pkt. 10 cts., oz. \$1.

Queen of Italy. Fine pink. Pkt. 10 cts., oz. 50 cts.

Rose Cardinal. Deep pink. Pkt. 10 cts., oz. \$1.

Dunnett's Crimson. Deep crimson. Pkt. 10 cts., oz. 30 cts.

Carmine. Pkt. 5 cts., oz. 35 cts.

Dwarf Hybrids Mixed. Pkt. 10 cts., oz. 50 cts.

White Rocket. Large trusses. 1 foot. Pkt. 5 cts., oz. 35 cts.

Pink Beauty. New. Fine pink. 1 foot. Pkt. 15 cts., oz. \$1.50.

Lilacina. Lilac. 1 foot. Pkt. 5 cts., oz. 25 cts.

Purple. Purple. 1 foot. Pkt. 5 cts., oz. 25 cts.

PERENNIAL VARIETIES

A very early-flowering variety; largely used in the hardy border. Foliage exceedingly pleasing in color and very decorative.

Gibraltarica. White, shaded pink. Pkt. 25 cts.

Sempervirens. Pure white flowers; evergreen foliage. Pkt. 10 cts.

CARNATION

These well-known favorites are highly prized for the delicious perfume of their flowers, grown in pots or in the open ground. No flowers can be finer or more worthy of cultivation. The Marguerite Carnation will bloom in four months from the time of sowing. The flowers are of magnificent colors, ranging through many shades of pink, red, white and variegated. Hardy perennials.

Earliest French Chabaud. New hardy class, combining the perfection of flowers of the perpetuals with the earliness of Marguerite Carnations, blooming seven months after being sown. Pkt. 25 cts.

Benary's Non Plus Ultra Border. Finest mixed. Saved from flowers of finest quality only. Pkt. 25 cts.

Perpetual, or Tree. Upright growth and branching habit, flowering several times during the season. 2 feet. Pkt. 10 cts.

Early Dwarf Vienna. Flowers very early; extra fine. Pkt. 10 cts.

GIANT MARGUERITE. Without exception these are the most abundant bloomers of all the Carnation Pinks. Flowers are of brilliant colors, ranging through many beautiful shades of red, pink, white, variegated, etc. Perfect form, large size. Sown in spring, commence flowering in early summer, and continue to bloom in lavish profusion until checked by frost. Finest mixed. Pkt. 10 cts., ¼ oz. \$1, oz. \$3.

CASTOR-OIL PLANT (*Ricinus*)

The *Ricinus* are tall, stately growing plants of tropical appearance; their luxuriant foliage renders them exceedingly ornamental. They are free-growing, tender annuals of easy cultivation. Half-hardy annuals.

	Pkt.	\$o	05
Africanus. Very large green foliage			
Zanzibarensis. New Giant Castor-Oil Plant from Africa			10
Barboniense arboreus. Large and handsome green foliage. 15 feet			05
Communis (Castor-Oil Plant). Green foliage. 6 feet			05
Gibsonii. Dark, purplish-red foliage. 6 feet			05
Cambodgensis. Leaves bronzy maroon, with red veins; stems black			05
Duchess of Edinburgh. Dark red foliage. 6 feet			05
Gibsonii Mirabilis. Dwarf, compact; very fine			05
Sanguineus. Tricolor, red spotted; fruit in clusters; red foliage. 10 feet			05
Mixed	lb.	\$1.	oz. 15 cts. 05

CELOSIA CRISTATA (Cockscomb)

Free-blooming annuals, growing best in rather light soil, not too rich; make grand border plants and are attractive for pots. Seed can be sown under cover in early spring and planted out in May, or may be sown outdoors in May. If dwarf growth is desired, do not crowd.

Empress. Rich crimson. 1 foot. Pkt. 10 cts., ¼ oz. 50 cts.
Glasgow Prize. Dark crimson. 1 foot. Pkt. 5 cts., ¼ oz. 30 cts.
Dwarf Mixed. 1 foot. Pkt. 5 cts., ¼ oz. 25 cts.

COLLECTION, 6 pkts. Dwarf varieties, 25 cts.

Celosia Plumosa (Feathered Cockscomb)

Make fine plants for large beds or groups, and the plumes or flowers can be cut and dried for winter bouquets. Should be treated same as Cockscombs described above.

Ostrich-Plumed, Yellow or Crimson. Pkt. 10 cts., ¼ oz. 50 cts.
Ostrich-Plumed, Mixed. Pkt. 10 cts., ¼ oz. 50 cts.
Spicata. Rose, changing to silvery white; fine for pots, cutting and drying. Pkt. 25c., ¼ oz. 75c.

Celosia, Thompsonii Magnifica (Improved Strain)

Thompsonii Magnifica is of pyramidal growth, often attaining the height of three feet, and



CELOSIA, PRIDE OF CASTLE GOULD



Celosia, Thompsonii Magnifica (Improved Strain)

producing graceful, feathery plumes of the most magnificent shades, ranging from the clearest yellow to the darkest blood-red.

Thompsonii Magnifica, Crimson. Bright crimson. Pkt. 25 cts., ¼ oz. 75 cts.

Thompsonii Magnifica, Yellow. Beautiful yellow. Pkt. 25 cts., ¼ oz. 75 cts.

Thompsonii Magnifica, Mixed. Pkt. 25c., ¼ oz. 75c.

Celosia, Pride of Castle Gould

An entirely distinct type of the *Celosia pyramidalis plumosa*, and surpasses by far anything thus far placed on the market. This strain has through constant culture and careful selection and hybridization proven its superiority to anything similar ever offered.

HABIT OF PLANTS.—Pyramidal, compact growth of from 2 to 3 feet, with immense, extra-fine feathered heads, gives the plant a most striking appearance.

COLOR.—The following distinct colors are among these hybrids: Blood-red, real carmine, golden yellow, salmon, deep scarlet, dark orange and wine-red; however, by variation there will be found many more shades; the self-coloring will be surprising.

This illustration is from a photograph taken this summer on the estate of M. C. D. Borden, Oceanic, N. J. (William Turner, Supt.). The following is a description by William Turner: "Celosia Castle Gould is admirably adapted for growing along in pots for decorative purposes or for planting out in beds, provided the beds are situated to receive full benefit from the sun's rays. Castle Gould is a decided improvement over all other Celosias, both for richness of colors and the massive plumes this variety produces. Being a free, vigorous grower, it is not necessary to sow the seed for outdoor planting until say the middle of March. They would then be nice, vigorous plants in 3- or 3½-inch pots, ready for placing in the beds about the end of May. With a little care, they would be a mass of gorgeous plumes until killed down by frost." Per pkt., mixed shades, 25 cts.

CENTAUREAS

There is, perhaps, no more popular annual than the Centaurea. Will grow well anywhere and as a cut-flower is much in demand.

Cornflowers (*Centaurea Cyanus*)

SOMETIMES CALLED BACHELOR'S BUTTON, BLUE BOTTLE, RAGGED SAILOR, ETC.

This type of Centaurea is well known and no garden is complete without them. Seeds should be sown in the spring or fall. When large flowers are wanted, plants should be thinned out to a space of say 8 square inches.

Cyanus, Emperor William, Blue. Well-known Pkt.	Oz.
favorite cut-flower.....	\$0 05 \$0 25
" Rose	05 25
" White	05 25
" Victoria. A very dwarf mixture, used for	
border or pots; grows 8 inches high.....	15 1 00
" Mixed Single	05 25

Cyanus, Double Emperor William.

A variety largely used by the commercial florist on account of its large size. Much in demand for cutting, taking fewer than the single varieties to make a bunch. 15 1 50

Cyanus, Double Mixed...... 10 40

Giant Sweet Sultans (*Centaurea imperialis*)

This beautiful class is undoubtedly the finest of all the Sweet Sultans for cutting purposes. Beautiful, deliciously sweet-scented flowers are borne on long, strong stems and are particularly striking, lasting several days after cutting. We recommend sowing in succession every two weeks until July, thereby giving a continuous bloom from summer to fall.

Imperialis, White. One of the best varieties for cutting, large and deliciously sweet-scented.

Imperialis, Armida. Pink with white tinge; very delicate color.

" **purpurea.** Brilliant purple-rose.

" **lilacina.** Lilac.

" **rosea.** Beautiful brilliant rose.

Packet 10 cts. each, ½ oz. 60 cts.

COLLECTION. One packet each, five varieties.....\$0 50



CENTAUREA CYANUS (Cornflower)

Four Fine Centaureas (For Greenhouse Growing)

The following four varieties are largely grown by Florists during the winter months for cut-flowers.

Suaveolens. (Yellow Sweet Sultan.) Very showy bright yellow flowers; sweetly scented.....	Pkt.	Oz.
	\$0 05	\$0 60
Odorata. Beautiful large flowers of light blue color; deliciously scented.....	10	1 00
Odorata, Chameleon. Large flowers of pale sulphur-yellow, changing to rosy lilac.....	10	2 00
Marguerite (Giant White Cornflower). Flowers 4 inches across, purest white and very fragrant.....	10	1 00

White-leaved Centaureas (Dusty Millers)

Extensively used for edging of beds or borders of the flower garden. The glistening white contrasted with the bright color of the Coleus, Salvia or Red Canna is very striking.

Candidissima. Thick white leaves grown for their foliage only and make excellent plants for edgings. They are hardy annuals and grow rapidly. Leaves are very lanceolate and are silver-coated... ½ oz. 25 cts...\$0 10

Gymnocarpa (Dusty Miller). Leaves fern-like and a trifle taller than Candidissima. ½ oz. 25 cts... 10

Various Centaureas

Moschatus coerulea (Sweet Sultan) Blue. Identical in color with Emperor William in the regular Bachelor Button type.....	Pkt.	Oz.
	\$0 05	\$0 30
Moschatus, White	05	30
" Mixed	05	25



CENTAUREA IMPERIALIS (Giant Sweet Sultan)

CINERARIA

Seed should be sown from May to September where a succession is desired. When sown at this time, fine plants may be secured. The main point in the culture of Cinerarias is to secure as hardy a growth as possible with leaves of medium size. Seed may be transferred direct from seed-pans to thumb-pots. After planting, place in coldframe facing north, if possible. As pots become full of roots, shift to larger ones until flowering size is reached.

S. & W. Co.'s Giant Flow-

ering Mixed. This strain of Prize Cineraria is grown for us by a famous English seed specialist. The flowers seldom measure less than 3 inches in diameter, comprising the following colors: White, rose, flesh, crimson, blue, violet, etc. The plants are of a very robust dwarf habit, which, combined with the mass of giant blooms, makes this strain exceedingly valuable. Pkt. 50 cts.

Hybrida grandiflora, Mixed.	\$0 50
" White.	50
" Flesh.	50
" Rich Crimson.	50
" Rose.	50
" New Blood-Red.	50

COLLECTION, 1 pkt. each of the 6 varieties \$2.50

The preceding very large-flowered strains are unsurpassed for richness of color and perfection of form.

S. & W. Co.'s Stellata Delicate star-like blooms are borne in great profusion on long stems, giving this variety a double use, as it is excellent for cutting as well as decorative purposes; all shades. Pkt. 50 cts.

CINERARIA maritima (Dusty Miller). Half-hardy perennial; very useful for bedding or edging. Pkt. 10 cts.

CHRYSANTHEMUM

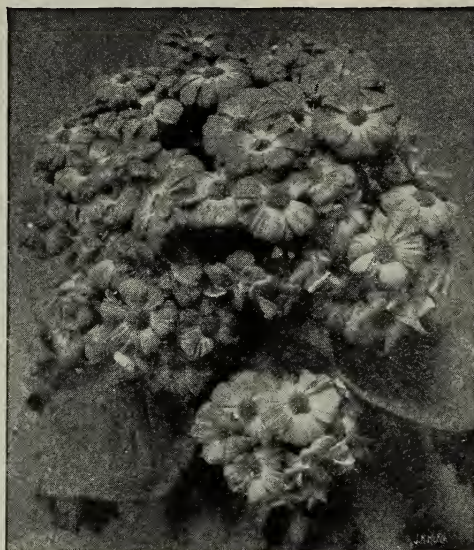
ANNUAL

These are very showy flowers of easiest cultivation, flowering from July to frost. Excellent for cutting. Height two feet.

- Single, Finest Mixed.** Pkt. 5c., oz. 30c.
- Double, Finest Mixed.** Pkt. 5 cts., oz. 40 cts.
- Single, Beaconsfield.** White, pink center. Pkt. 5 cts., oz. 40 cts.
- Single, The Sultan.** Deep scarlet. Pkt. 5 cts., oz. 40 cts.
- Single, Burridgeanum tricolor.** White, with crimson ring. Pkt. 5 cts., oz. 40 cts.
- Single, Chameleon.** New. Brown, with yellow. Pkt. 10 cts., oz. 50 cts.
- Single, Eclipse.** Yellow, crimson ring. Pkt. 5 cts., oz. 40 cts.
- Double-Fringed Mixed.** This is a most graceful flower. Pkt. 10 cts., oz. \$1.25.

PERENNIAL

- Maximum** (Hardy White Daisy). Large flowers, perfectly hardy. 3 ft. July to October. Pkt. 10 cts., oz. 75c.
- Maximum leucanthemum** (Common Shasta Daisy). Pure white, very large. 3 ft. July to Oct. Pkt. 10 cts., 1/2 oz. 50 cts.
- Uliginosum** (Giant Daisy). One of the best late-blooming perennials from Russia. Stout, upright plants, with pure white flowers. 5 ft. August to October. Pkt. 25 cts., 1/2 oz. \$1.



CINERARIA HYBRIDA GRANDIFLORA

they will grow with tolerable certainty. Hardy perennial.
Jackmani Varieties. Seed saved from best-named varieties. Pkt. 10 cts.

CLERODENDRON fallax. Handsome, erect-growing greenhouse plants; large spikes of fiery scarlet bloom. Pkt. 75 cts.

CLEOME pungens (Giant Spider Flower). Singular-looking, rose-colored flowers; the stamens look like spiders' legs, and present a very attractive appearance; annual; 3 feet. This plant is now used extensively in many of the public parks, planted among shrubbery, and is very effective. Pkt. 5 cts., 1/4 oz. 15 cts.

Cobaea (Cup-and-Saucer Vine)

A climber of rapid growth, attaining a height of 30 to 50 feet during the season, valuable for covering trellises, arbors, trunks of trees, etc.; will cling to any rough surface. In sowing, place seeds *edgewise* and merely cover with light soil; to get early results, start the seed indoors in March or April; can also be sown out-of-doors in May.

Scandens. Large bell-shaped purple flowers. Pkt. 10c., 1/4 oz. 25c.

Scandens alba. Pure white. Pkt. 10 cts.

COLEUS, S. & W. Co.'s Exhibition Strain Mixed. Pkt. 20 cts.

CONVOLVULUS (Morning-Glory)

These well-known favorites ought to be in every garden. Nothing can be finer for color than a bed of these.

Dwarf Bedding Variety. Mixed. Pkt. 5 cts., oz. 20 cts.

Tall, or Climbing Variety. Mixed. Pkt. 5 cts., oz. 20 cts.

Giant Imperial Japanese

A magnificent advance on the old-fashioned Morning-Glories. The enormous flowers, exquisite colors and beautiful foliage make them, without doubt, the most beautiful climbers in existence.

Japanese Mixed. Pkt 10 cts., oz. 25 cts., 1/4 lb. 50 cts.

Fancy Mixed. Pkt. 10 cts., oz. 50 cts., 1/4 lb. \$1.50.



CINERARIA STELLATA



S. & W. CO.'S MAMMOTH COSMOS

COSMOS

This is one of the notable fall flowers, the specialist's skill having recently added much to its beauty. A strong, tall-growing annual, its bold flowers have yet an exquisite daintiness and airiness, heightened in effect by their foliage-setting of feathery green. It is most effective when planted in broad masses of long background borders against evergreens or fences. From seed started early in the house or frame, the plants will be 3 or 4 feet high by July, tossing into the air a perfect storm of bright-colored, daisy-like flowers, fine for cutting. If topped when half-grown, the plants will bloom much earlier, the check seeming to induce immediate flowering. We offer only the choice large-flowering strains. For early flowering, start indoors and transplant into dry, sandy, or poor soil, in a sunny situation.

Mammoth Perfection. The flowers are double the size of the old Cosmos; the petals are broader, forming a perfectly round flower. The long stems and feathery foliage lend themselves to graceful arrangements for bouquets. These plants enliven the garden long after more tender plants have succumbed to early frost.

	Pkt.	Oz.
Mammoth White	\$0 10	\$1 00
" Pink	10	1 00
" Deep Crimson	10	1 00
" Red	10	1 00
" Mixed	10	1 00
Pink Pearl	05	50
White Pearl	05	50
Choice Mixed	05	50

CIGAR PLANT (Cuphea). With cigar-like shaped flowers, very useful for bedding; free bloomer. Half-hardy perennial.

Platycentra. Scarlet and white. Pkt. 10 cts.

COREOPSIS. (See Calliopsis.)

CYPRESS VINE (*Ipomœa Quamoclit*). The most popular of annual climbing plants, with delicate fern-like foliage. Half-hardy annual.

	Pkt.	Oz.		Pkt.	Oz.
Crimson	\$0 05	\$0 30	Rose	\$0 05	\$0 30
White	05	30	Mixed	05	30

Giant Rainbow. A beautiful new departure in Cosmos. Pink, cream, blush, crimson, red, white, etc., which are again striped dotted, suffused, zoned, etc., with other exquisite shades and colors. The flowers are very large, and often with frilled and fringed edges. Pkt. 15 cts., 500 seeds 50 cts.

Early-Flowering. This variety comes into flower in July, and continues a mass of bloom until cut down by severe frost, making their successful cultivation possible in the most northerly states and Canada; it is of dwarf, compact growth, growing only 4½ feet high. The flowers are fully as large as in the old type. White and Pink. Each, pkt. 10 cts., ¼ oz. 75 cts.

Giant Fancy. This strain of Cosmos was raised by a specialist and is a very large-flowering variety. Giant Fancy, white, pink, red or mixed. Pkt. 10 cts., 500 seeds 25 cts.

Lady Lenox. Pink. Pkt. 10 cts., ¼ oz. 75 cts., oz. \$2.

DAHLIA. The seed we offer has been saved from a superb collection of the finest named varieties. Half-hardy perennial. Pkt.

Double Mixed	\$0 10
Single Mixed	10
Dahlia, 20th Century Novelty	25

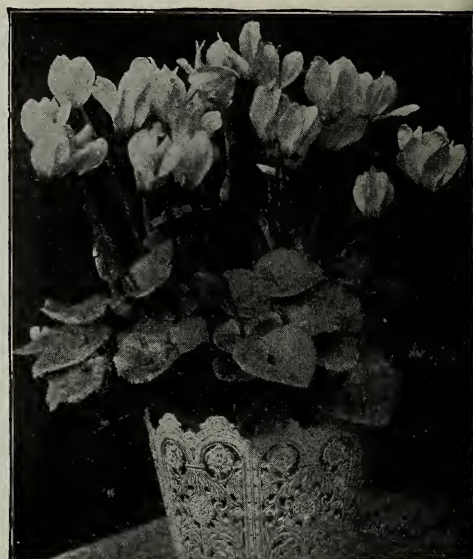
DATURA (Trumpet Flower). Half-hardy annual. Pkt. Oz.

Cornucopia. White and purple.....	\$0 10	\$1 00
Finest Mixed	05	40

S. & W. Co.'s Giant-flowering Cyclamen

Flowers of extraordinary size and of great substance. The leaves are proportionately large and beautifully marked. These are among the most beautiful winter- and spring-flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental. Sow seed from August to September and do not permit same to become checked. When grown cool, most satisfactory results are obtained. Our strain is selected by a well-known English Cyclamen grower.

	Pkt.	100 seeds	
Giant Salmon-Red	\$0 25	\$1 25	
Giant Rose	25	1 25	
Giant Pure White	25	1 25	
Giant Dark Red	25	1 25	
Giant Lilac	25	1 25	
Giant Cattleya Purple	25	1 25	
Giant Rose-Salmon	25	1 25	
Giant Pale Rose	25	1 25	
Giant White, Red Eye	25	1 25	
Giant Light Red	25	1 25	
Giant White, Striped			
Violet	25	1 25	
Giant Prize Mixed	25	1 25	



S. & W. Co.'s Giant-flowering Cyclamen

S. & W. Co.'s Victoria

This is a particularly fine strain, with beautiful, fringed, white-and-rose flowers; very large, and last a long time after blooming. Pkt. 25 cts., 100 seeds \$1.50.

COWSLIP. The well-known favorite English Cowslip (*Primula veris*), hardy, flowering in early spring. $\frac{3}{4}$ foot high. Mixed colors. Pkt. 5 cts.

DELPHINIUM (Perennial Larkspur)

There is perhaps no better known hardy plant than the Delphinium. The beautiful flowers borne on tall stately spikes are a gorgeous sight and a charm to the garden. Sow seeds in early spring in shallow boxes indoors or in a hotbed. When seedlings are about $\frac{3}{4}$ inch high, transplant to flats 3 or 4 inches apart each way. About a week before planting out remove to the open, taking care to protect them on cold days and nights. Set out 6 inches apart in the garden. Plants treated thus usually flower first season during August. In the fall they may be lifted and set out in groups of colors; three or four plants at a distance of 3 feet apart, in the rear of hardy perennials, where they make a fitting background.

Chinense (Blue Butterfly). A distinct and neat variety, growing about 18 inches high, with fine feathery foliage, and producing freely spikes of large blossoms of intense gentian blue	Pkt.	$\frac{1}{2}$ oz.
	\$0 10	\$1 00
Album. The white-flowered form of the preceding	10	75
Barlowii. Very large dark blue flowers, extra fine	25	2 00
Cardinale. A very beautiful cardinal-scarlet, plants grow about 18 inches high.	25	2 00
Formosum. Rich large dark blue, white center, borne on spikes 2 to 3 feet tall; one of the most popular varieties	10	1 00
Formosum Coelestinum. Beautiful sky-blue, white center, similar in habit to the above	20	1 50
Hybridum fl. pl. A grand mixture of double varieties taking in a great range of colors	15	1 50
Nudicaule. Dwarf compact growth, with spikes of bright scarlet flowers. 18 in.	25	

S. & W. Co.'s Mixture. This mixture is very valuable for its great range of color, almost every conceivable shade being represented. From yellow to pure white; from light blue through every shade to indigo. 25

ANNUAL VARIETIES. See Larkspur

DOLICHOS (Hyacinth Bean)

A rapid-growing annual climber, flowering freely in erect racemes, followed by ornamental seed-pods; for covering arbors, trellises, etc. Sow the seed in the garden in beds where they are to remain. 10 ft.

"Daylight." This grand Hyacinth bean comes from Japan. In our trial grounds seed sown late in May had, by the middle of July, attained a height of over 10 feet, and was covered with spikes of snow-white pea-shaped blossoms from then until late fall. The heart-shaped foliage is bright green, and not affected by insect pests	Pkt.	Oz.
	\$0 10	\$0 50
"Darkness." Identical in every way with the above, except in color, which is a rich purple-violet	10	50
Lablab, Mixed. Purple and white	05	25



DELPHINIUM

DIANTHUS, or PINKS

The family of Pinks is unrivaled for brilliancy and rich variety of color; the plants are bushy, of symmetrical form—blooming profusely until fall, rendering them most satisfactory for summer flower gardens. Sow out-of-doors when danger of frost has passed and they will, in several weeks become a mass of bloom, continuing until frost.

DOUBLE ANNUAL VARIETIES

Chinensis fl. pl. (China, or Indian Pink). Blooms in Pkt. ¼oz. clusters, flowers very double and bloom in a large range of bright colors.....	\$0 05	\$0 25
Diadematis fl. pl. (Double Diadem Pink). Beautiful double flowers; mixed of various tints of lilac, crimson, purple; outer edges fringed.....	Oz. \$1 10	35
Heddewigii fl. pl. (Double Japan Pink). Double mixed, color varying from richest crimson to most delicate rose.....	Oz. 75 cts. 10	25
Fireball. New. Extra double brilliant dark scarlet, very beautiful	15	1 00
Snowball. Large double white; excellent for border or cutting	10	50
Salmon King. Brilliant salmon-rose.....	10	50
Lucifer. Brilliant orange-scarlet, flowers measuring about 2 inches across; very dazzling and popular variety; nicely fringed	15	1 00
Laciniatus fl. pl. (Double Fringed Pink). Large double flowers, edges fringed; in a great variety of colors.....	10	50

SINGLE ANNUAL VARIETIES

These single sorts contain many beautiful varieties, flowers often measuring 2 to 3 inches in diameter, and are very effective for borders or beds.

Crimson Belle. Rich crimson. 1 foot.....	Pkt. ¼oz. \$0 10	\$0 50
Queen of Holland. Beautiful white	10	75
Eastern Queen. Delicately marbled rose and mauve flowers	10	50
Salmon Queen. Beautiful fringed flowers of brilliant salmon color changing to old rose when fading.....	10	50
Vesuvius. Beautiful orange-scarlet flowers, very striking in beds or borders.....	10	50
Laciniatus (Single Fringed Pink). Flowers fringed in a great variety of colors.....	10	35

HARDY GARDEN PINKS

These form low, bushy, tufted plants, above which are produced on long stems the beautiful fringed and fragrant flowers so valued in "old-fashioned" gardens. For permanent beds and borders these Pinks are unrivaled.

Barbatus (Sweet William). See page 67.	Pkt.	
Latifolius atrococcineus fl. pl. Hardy perennial. A hybrid between the China Pink and Sweet William. The heads of brilliant red flowers are quite double. Will flower first season from seed	\$0 25	
Plumarius, Double Mixed. Double fringed, fragrant flowers of white, crimson or purple shades, spotted and variegated. 12 inches high.....	10	
Plumarius, Single Mixed. Large, single fragrant flowers of beautiful colors and finely fringed.....	05	
Scotch, or Florists' Pinks. They are excellent perennial garden plants, about 1 foot high when in bloom; they are vigorous, very hardy, and flower profusely during spring and early summer; the flowers are very large, very double, beautifully fringed, and emit a grateful clover-like perfume. Mixed colors	25	

S. & W. Co.'s Special Mixture of Annual

Sorts. A grand collection of these ever-popular garden, or China Pinks. All large-flowering varieties, unrivaled for brilliancy and rich variety of color, and bloom in perfect succession during the whole summer and autumn in such numbers as fairly to crowd each other for room. Mixed colors. Pkt. 10 cts., oz. \$1.

COLLECTION ANNUAL SORTS

Ten choice Dianthus, five named double and five named single, packet each, for 75 cts.



DOUBLE ANNUAL PINKS

DIGITALIS (Foxglove)

HARDY PERENNIALS

Invaluable for the hardy border and particularly handsome when seen growing among shrubbery.

Gloxiniaeflora alba. White.....	Pkt. \$0 05	Oz. \$0 40
" Lilacina. Lilac	05	40
" purpurea. Purple	05	40
" rosea. Rose	05	40
" lutea. Yellow.....	05	40
" Finest Mixed	05	40

Purpurea monstrosa—

Alba. White	10	75
Rubra. Red.....	10	75
Rosea. Pink	10	75
Mixed	10	1 25
Monstrosa, mixed	10	1 25

DRACAENA. Ornamental greenhouse plants, with elegant leaves; rich and desirable.

Indivisa lineata. Pkt. 10 cts.

ESCHSCHOLTZIA

(California Poppy)

Profuse blooming annuals, for beds, edging or masses. Blooms from early summer until frost. Should be grown in every garden.

Californica. Giant yellow. Pkt. 5 cts., oz. 35 cts.

Alba. Creamy white. Pkt. 5 cts., oz. 35 cts.

Carminea. Carmine. Pkt. 10 cts., oz. 75 cts.

Golden West. Deep yellow. Pkt. 10 cts., oz. 50 cts.

Rose Queen. Deep pink. Pkt. 10 cts., oz. 50 cts.

Mandarin. Inner side of petals rich orange, the outer side brilliant scarlet. Pkt. 10 cts., oz. 40 cts.

Crocea. Double orange, very attractive. Pkt. 5 cts., oz. 35 cts.

THREE SELECT SORTS

Carmine King. Beautiful carmine-rose on both sides of petals, making a distinct and novel variety. Pkt. 10 cts., ½ oz. 50 cts.

Dainty Queen. Beautiful new shade of Eschscholtzia; pale coral-pink, slightly deeper toward the edges. Pkt. 10c., ½ oz. 75 cts.

Mikado. This variety is the result of a cross between Mandarin and Carmine King. Color orange-crimson suffused with deep crimson. Pkt. 10 cts., ½ oz. 50c.

Collection. One packet each, three varieties \$0 25
S. & W. Co.'s 10 named sorts, 10 packets. 75

ECHINOCYSTIS (Lobata, Climbing Wild Cucumber). A rapid, luxuriant-growing annual climber, very useful for quick effects. 30 to 50 feet. Pkt. 5 cts.

EUPATORIUM ageratoides (Thoroughwort). Hardy perennial. 4 feet. White. August and September. Pkt. 10 cts.
Coelestinum. Blue. September. Pkt. 10 cts.

EUPHORBIA heterophylla (Mexican Fire Plant). A handsome annual garden foliage plant. Leaves large and glossy green, often tipped with orange-scarlet. Pkt. 10 cts.

ECHEVERIA. Interesting greenhouse succulents, which are used largely for carpet bedding.

Metallica. Pkt. 25 cts.

FERNs. Greenhouse varieties, mixed. Graceful conservatory or window plants. 6 inches to 2 feet. Pkt. 10 cts.

FEVERFEW. See *Matricaria*.

Forget-me-Not (Myosotis)

All the varieties of these popular plants are very beautiful and general favorites with all; they succeed best in a moist situation. Half-hardy perennial. 1½ feet.

Alpestris. A pretty trailer with blue flower. \$0 05 \$0 60
" **Eliza Fonrobert.** Sky-blue 10 1 00

" **Victoria.** Dwarf habit; sky-blue 25 1 50

Oblongata perfecta. Flowers borne on long flower spikes; very suitable for winter blooming 10 1 25

Palustris (True Forget-me-not) 10 3 00

" **semperflorens.** Continuous bloomer 10 2 50

Finest Mixed. 05

Ruth Fischer. The latest and said to be the finest and largest-flowered Forget-me-not yet sent out, producing flowers up to ½ inch in diameter, of true Forget-me-not blue; plants of strong, vigorous growth, of exceptional value for pot culture and spring bedding 25

FUCHSIA. Choice double and single of this well-known elegant tender pot-plant. Mixed colors. Pkt. 25 cts.



Eschscholtzia, or California Poppy

FOUR O'CLOCKS (Mirabilis). Well-known, free-flowering plants. Called Four O'clocks because they open their blossoms at that hour in the afternoon; also called Marvel of Peru. Hardy annuals. 2 feet.

Fine Mixed. Pkt. 5 cts., oz. 20c.

GAILLARDIA

(Blanket Flower)

A very pretty showy annual, used very extensively for beds, borders and cutting purposes.

ANNUAL VARIETIES

Amblyodon. Rich blood-red. 2 ft. Pkt. 5 cts., oz. 40 cts.

Picta Lorenziana. Double mixed. 2 ft. Pkt. 5 cts., oz. 40 cts.

Picta. Double mixed. 2 ft. Pkt. 5 cts., oz. 30 cts.

The Bride. Pkt. 15 cts.

Rubra. Rich double red. 2 feet. Pkt. 5 cts., oz. 40 cts.

PERENNIAL VARIETIES

Kemesina splendens. Center rich crimson, narrow canary-yellow border. Pkt. 15 cts.

Grandiflora maxima. Pkt. 10c.

Sulphurea oculata. Pale sulphur, bright maroon eye. Pkt. 15 cts.

GERBERA Jamesoni (For full description see page 4).

GLOBE AMARANTH (Gomphrena). See *Everlasting Flowers*.

GAURA Lindheimeri. Half-hardy perennial. Flowers the first season from seed, and produces long sprays of white, red-tinted flowers. It is most useful for vases, the slender-stemmed blossoms fluttering like butterflies. 2 ft. Pkt. 5 cts., oz. 40 cts.

Gloxinia, Large-flowered, Striped and Marbled

These very remarkable Gloxinias have, by careful selection, now been so far fixed that 40 per cent of the seedlings come true. The ground color of the large, erect and widely-opened flowers is a velvety purple-crimson, with a rosy white throat. On the often seven-lobed corolla appear more or less sharply defined bands, spots and stripes, characteristic of this new class, the latter mostly of a violet hue. Pkt. 50 cts.

GODETIA

Profuse blooming annuals of beautiful colors. Fine for bedding or pot culture. Hardy annuals. 1 foot.

Lady Satin Rose. Brilliant carmine; extra fine. \$0 05

Duchess of Albany. Satiny white 05

Princess of Wales. Beautiful pink 05

Sunset. Dwarf; compact; most dazzling rosy crimson 10

Carter's Double Pink. Beautiful pot plant for conservatory decoration. Height 2 feet 15

New Lavender. Beautiful lavender; early flowering; trailing habit. Height 2 feet 10

COLLECTION. One packet each, six varieties \$0 35

GNAPHALIUM leontopodium (Edelweiss). Seed should be sown early and kept cool and moist. Pkt. 25 cts.

GREVILLEA robusta (Silk Oak). Very graceful foliage; highly valued as a decorative plant for the table, and when large, for tropical effects. 3 to 5 feet. Pkt. 10 cts.

GOURDS

A vigorous class of plants, with curiously formed and often strangely colored fruits. The foliage is abundant, often curious.

Mock Orange. \$0 05

Apple-shaped. 05

Dish Cloth, or Chinese Luffa. 05

Dipper Gourds. \$0 05

Mixed. All sorts 05

Heracles' Club. 05



GYPHOPHILA ELEGANS GRANDIFLORA, WHITE

Cucumerifolius (Miniature Sunflower). A very popular flower for either hedges, borders or cut-flowers. Bright single yellow flowers, black center. 4 feet. July to October. Pkt. 5 cts., oz. 30 cts.

Cucumerifolius hybrida, Double. New double and semi-double variety; very fine. Pkt. 10 cts., oz. \$1.50.

Perkeo. A miniature plant 12 inches high by 18 inches in diameter; flowers 3 inches across, golden, with black eye. Pkt. 15 cts., oz. \$2.

Diadem. Large-flowering; citron. Pkt. 10 cts., oz. \$1.50.

Thousand-Flowered. Pkt. 10 cts., oz. \$1.50.

Bismarckianus. Tall, with abundant, single, large flowers. Pkt. 5 cts., oz. 25 cts.



HELIOTROPE, LEMOINE'S GIANT

GYPHOPHILA

Pretty, free-flowering little plant. Will do well in any garden soil. The flowers are valuable for bouquet-making, either fresh or dried. Hardy annuals.

	Pkt.	Oz.
Elegans . White and pink flowers.....	\$0 05	\$0 25
Elegans grandiflora alba . Flowers larger than preceding variety.....	10	50
Elegans grandiflora rosea . Delicate rose.....	10	50

PERENNIAL VARIETIES

Acutifolia . White. 2 feet.....	05	50
Muralis . Red.....	05	50
Paniculata . Best white.....	05	40
Repens . Dwarf white; fine for rockwork.....	10	75

HELIANTHUS (Sunflower)

SINGLE VARIETIES

Cut-and-Come-Again. Mixed. Pkt. 10c., oz. \$1.

Cucumerifolius, Stella. Improved golden yellow flower with small, black center. Pkt. 5 cts., oz. 40 cts.

Cucumerifolius, Orion. New, with crisped petals. Pkt. 10c., oz. \$1.



HELIANTHUS MULTIFLORUS FL. PL.

DOUBLE-FLOWERING

Globosus fistulosus. Double, enormous flowers; very double, best strain. Pkt. 5 cts., oz. 25 cts.

Dwarf Double. Extra fine. Pkt. 5c., oz. 25 cts.

Large Russian. Pkt. 5 cts., oz. 10c.

HARDY VARIETIES

Missouricus. Fine double yellow. Pkt. 15c., oz. \$2.

Rigidus. Heavy stiff stem; clear yellow flowers. Pkt. 25 cts.

Multiflorus fl. pl. Very fine for cutting. Pkt. 10 cts., oz. 50 cts.

HELENIUM (Sneezewort). Hardy perennial, blooms in late summer; about 4 feet high.

	Pkt.	1/4 Oz.
Autumnale . 6 feet. Yellow.....	\$0 10	\$0 50
Bigelowii . 5 feet. Golden yellow, black center.....	25	
Hoopesii . 2 1/2 feet. Dark yellow.....	25	

Heliotrope

Deliciously fragrant, flowering plants; growing about 1 to 2 feet high; great favorites for pot culture in the winter or bedding out in the summer. Large umbels of lilac or white flowers are continuously borne. Half-hardy perennial. 1 1/4 feet.

Finest Mixed. Pkt. 5 cts.

Lemoine's Giant Mixed. Pkt. 10 cts.

Hibiscus (Marshmallow)

Showy, ornamental plants, for mixed beds or shrubby borders. Hardy perennial, but will bloom first year from seed if sown early. Pkt.

Palustris. Large pink flowers. \$0 05

Moscheutos (Swamp Rose Mallow). Flowers 6 inches in diameter; of light rosy red, with dark center. 05

Golden Bowl. Giant yellow, cup-shaped flowers, from 6 to 9 inches in diameter; of rich cream, with velvety maroon center. 10

HELICHRYSUM. See page 69.

HELIOPSIS Pitcheriana (Orange Sunflower). Hardy perennial. A valuable plant for the border, thriving in any good soil. Flowers cup-shaped, deep yellow, on long, stiff stems for cutting. 3 to 4 feet. June to October. Pkt. 10 cts., oz. 75 cts.

HEUCHERA sanguinea (Alum Root). Beautiful hardy perennial. The foliage is evergreen; flowers fiery coral, shading to brilliant crimson. Pkt. 25 cts., 1/8 oz. 75 cts.

Splendens. Deep red. Pkt. 25 cts., 1/8 oz. 75 cts.

HONESTY (Moonwort). Hardy perennial, admired for its silvery seed-pouches, which are used for house ornaments, presenting a beautiful and curious appearance. 2 feet. Pkt. 5 cts., 1/4 oz. 15 cts.

Humulus (Japan Hop)

Rapid summer climber, in three or four weeks' time attaining a height of 20 to 30 feet, resembling the common Hop, but, being an annual, attains full perfection the first season. The foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, drought and insects do not trouble it. Pkt.

Japonicus \$0 05

Variegatus. Variegated variety 05

HUNNEMANNIA fumariæfolia

(Giant Yellow Tulip Poppy).

Should be treated as an annual.

Sow seeds out-of-doors in May

and flowers will appear early in September and remain until frost. Foliage is fern-like and not

unlike eschscholtzia. Plants attain a height of 2 feet. Flowers are tulip-shaped, pure golden

yellow. When cut and put in water they will last a full week. One of the most valuable garden

plants we know of. Pkt. 10 cts., oz. \$1.



HOP VINE (*Humulus Japonicus*)

HOLLYHOCKS

One of the most popular of hardy garden plants. The beautiful color effects produced by the planting of these flowers, combined with their dignified and stately appearance, render them indispensable for either the old-fashioned garden or the well-planned herbaceous border. As a background for other flowers or planting among shrubbery they are without an equal. As the plants are affected with rust occasionally, we recommend frequent spraying in springtime with bordeaux mixture.

S. & W. Co.'s Superb Double Hollyhocks

Conceded by those who have grown this strain to be the finest in existence. Pkt. 1/2 oz.

S. & W. Co.'s Superb Double White	10	\$0 10	\$0 50
S. & W. Co.'s Superb Double Scarlet	10	10	50
S. & W. Co.'s Superb Double Purple	10	10	50
S. & W. Co.'s Superb Double Dark Rose	10	10	50
S. & W. Co.'s Superb Double Yellow	10	10	50
S. & W. Co.'s Superb Double Mixed	10	10	50
Allegheny, Mixed	10	10	25
Chater's Double Finest Mixture	10	10	25

S. & W. Co.'s New Annual Everblooming Hollyhocks

This is one of the best introductions of late years. Seeds sown in the house in March will produce flowers in July on plants 4 feet high. The plants do not attain their perfection until their second year, when they grow 7 to 10 feet high and flower continuously from June till frost. The foliage is distinct and not subject to any disease. The plants are perfectly hardy and will live longer than the old-fashioned kind. Pkt.

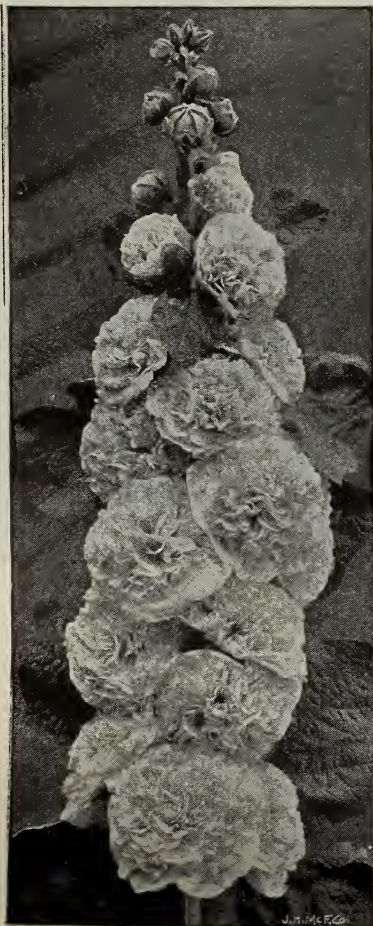
Single Mixed	10	\$0 15
Double Mixed	10	25

HYACINTH BEAN, Giant Crimson.	10	\$0 10	\$0 50
Purple, White, or Mixed.	05	10	25

IBERIS (Hardy Candytuft). See Candytuft.

ICE PLANT (Mesembryanthemum). Very singular, dwarf trailing plants, much used for garnishing; beautiful and curious. Tender annual. 1 foot.

Crystallinum. White. Pkt. 5 cts.



S. & W. Co.'s Superb Double Hollyhocks

IPOMOEA

Beautiful, free-blooming plants, fine for outdoor or greenhouse decorations. The seeds should be soaked two to three hours before planting. Tender annual.

Bona Nox. Large blue flowers. Pkt. Oz. \$0 10

Grandiflora Mexicana alba (Moonflower). At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers, 5 to 6 inches in diameter. It grows rapidly and will cover a large surface. Pkt. 10 cts. 10 \$0 75

Hederacea. Sky-blue, white margined. Pkt. 10 cts.

Hederacea grandiflora superba. Pkt. 10 cts.

Leari. Dark blue. Pkt. 10c., oz. \$1.50.

Setosa (Brazilian Morning Glory). Flowers of pleasing rose-color, borne very freely in large clusters from August to frost. As a quick-growing vine it has no equal, covering an enormous space in a short time. Pkt. 5 cts., oz. 40 cts.

For other varieties of *Ipomoeas*, see Cypress Vine and Convolvulus.

IMPATIENS Sultan. One of the most beautiful of decorative plants. It thrives in stove heat, greenhouse and open border during the summer. The flowers are of a brilliant rosy scarlet, 1½ inches in diameter. Mixed. Pkt. 10c.

Impatiens Holstii. A very handsome balsam from East Africa, forming bushes 1½ to 2 feet in height, with brilliant scarlet flowers, which measure from 1¼ to 1½ inches across, of bright vermilion color. It is an elegant pot-plant, also for bedding out in partial shade. Pkt. 25 cts.

INCARVILLEA Delavayi. Hardy perennial. Rather new, originated in northern China, and is one of the prettiest perennials known. It produces divided pale green leaves about 2 feet in length, very much like *acanthus*. The flowers are borne on long, stout stems, tubular-shaped, and appear almost like *gloxinias*. Color bright rose. 2½ feet. June to August. Pkt. 50 cts.

Kochia

(Summer Cypress, or Mexican Firebush)

Trichophylla. A pretty half-hardy annual, 2 to 3 feet in height, which grows into a perfect pyramidal-shaped cypress bush, with small feathery light green foliage, deepening as the season advances until it becomes a lovely crimson hue about September. Excellent for edging or hedging. Pkt. 15c., ¼ oz. \$1.

KENILWORTH IVY (*Linaria Cymbalaria*). Perennial. Violet flowers of trailing habit. Pkt. 5 cts.

KUDZU VINE. (See page 59).

LANTANA. Rapid-growing plants, forming small bushy shrubs; exceedingly free in bloom. Mixed. Pkt. 5c.

LAVENDULA (Sweet Lavender). Pkt. 10 cts., oz. 50 cts.

LAVATERA splendens rosea (Pink Mallow). A very pretty hardy annual of exceptional value. Plants are well formed and grow about 3 feet high; the flowers being large and exceptionally valuable for cutting as they last quite long. Do well also in large beds or borders and are extremely showy. Pkt. 5c., oz. 50c.

Arborea variegata. Leaves mottled with yellow; very decorative. Pkt. 5 cts., oz. 25 cts.

Trimestris. Red. Pkt. 5 cts., oz. 50 cts.

ANNUAL LARKSPURS

One of our best known of garden favorites. A vast improvement has been effected by careful selection and cultivation. Seed should be sown as early in the spring as possible where they are to flower. Hardy annuals.

S. & W. Co.'s Emperor

This grand type of Annual Larkspurs grows about 2 feet high and is of candelabra habit. When planted in borders of the flower garden the plants will prove most effective.

Apple Blossom	White Striped
Brilliant Rose	Dark Red
Black-Blue	Rose
Azure-Blue	Tricolor
Violet	Light Blue

Each of above, pkt. 5 cts., oz. 25 cts. Collection of the ten varieties, 40 cts.

Double Stock-Flowered

This is the finest variety of Annual Larkspurs. Flowers very double, plants attaining a height of 3 feet, and flowering profusely all summer.

Pure White	Violet
Sky-Blue	Lilac
Shell-Pink	Tricolor
Bright Rose	Mixed
Dark Blue	

Each of the above, pkt. 10 cts., oz. 60 cts. Collection one pkt. each eight varieties, 50 cts.

S. & W. Co.'s Defiance

A decided improvement over the popular variety Newport Scarlet. A very striking variety. Pkt. 25 cts., oz. \$1.50.

Lustrous Carmine (Newport Scarlet). Pkt. 15 cts., oz. \$1.

S. & W. Co.'s Tall Mixed. Pkt. 5 cts., oz. 25 cts.

S. & W. Co.'s Dwarf Mixed. Pkt. 5 cts., oz. 25 cts.

LINUM (Flax)—
Grandiflorum rubrum (Verum). Hardy annual; very large-flowered. Pkt. 5 cts., oz. 25 cts.
Lewisii. Blue. Pkt. 10 cts., oz. 35 cts.
Perenne (Perennial Flax). Blue. August-flowering. Pkt. 5 cts., oz. 25 cts.
Luteum. Bright yellow. Pkt. 10 cts., oz., 35 cts.

LATHYRUS latifolius (Hardy Everlasting Pea). Hardy climbers, growing 6 to 8 feet high when trained on a trellis; the flowers are borne in large clusters. They are peculiarly adapted to rough places, to scramble over rocks and bushes; splendid cut-flower.

White. Pkt. 10 cts.
Delicata. Rosy flesh-color. Pkt. 10c.
Mixed Colors. Pkt. 5 cts.
Red. Pkt. 5 cts.

Lychnis

Chalcedonica. Usually grown as annuals; of dwarf bushy habit, bearing flowers an inch or more across in continuous succession until frost; the

color is a particularly pleasing and effective rich scarlet. 1 foot, pkt. 10 cts.; 2½ feet, pkt. 10 cts., oz. 50 cts. Pkt. Oz.

Lychnis Lagascae. Rose; dwarfest; early; charming for pots	\$0 25
Haageana. Fiery scarlet	10 \$0 50
Sieboldii. White	10 30
Viscaria rosea	10 40
Viscaria splendens	10 40



LARKSPUR DOUBLE STOCK-FLOWERED



LUPINUS POLYPHYLLUS ROSEUS

PERENNIAL VARIETIES

	Pkt.	Oz.
Polyphyllus. White.....	\$0 05	\$0 25
" Pink.....	05	25
Mixed	05	25

Lupinus polyphyllus roseus. The plants of this beautiful half-hardy perennial are of beautiful, robust, branching habit. An excellent subject for the herbaceous border; flowers being produced in long spikes of soft rose-pink. Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.

Lupinus polyphyllus, Excelsior. This fine strain of perennial Lupines will be found a grand addition to the hardy perennial section, embracing, as it does, a splendid assortment of colors, ranging from very pale to deep rose, and various shades of lavender, mauve and blues, a really fine mixture. Pkt. 15 cts., 2 pkts. 25 cts.

MALVA Alcea (Hollyhock Mallow). Pink. Pkt. 5 cts., oz. 50 cts.

Moschata. Crimson. Pkt. 10 cts., oz. \$1.

Moschata fl. alba. Pkt. 10 cts., oz. \$1.

MATTHIOLA bicornis (Night-Scented Stock). An annual garden plant, grown for its delicious perfume, which is emitted in the evening and morning. 1 foot. Pkt. 10 cts.

MARIGOLD (Tagetes)

Among the Marigolds, the African is the most striking in large beds, while the other Tagetes varieties are admirably adapted for small beds. They are free-blooming plants of easy cultivation. Hardy annual.

Marigold, Giant-flowered African. This strain of Marigold has been brought about by careful selection on the part of our growers, and those wishing unusually large flowers of this very charming annual will not be disappointed by giving these a trial.

Giant Show Lemon. Pkt. 25 cts.

Giant Show Orange. Pkt. 25 cts.

LOBELIA

COMPACTA VARIETIES

Little, round, compact plants, 4 to 6 inches high, forming little mounds of bloom, splendid for edging, beds and ribbon-gardening and fine for pots.

	Pkt.	¼oz.
Emperor William. Light blue, compact; very fine.....	\$0 10	\$1 00
Pumila splendens. Dark blue, with clear white eye.....	10	1 50
Pumila alba. Pure white.....	10	1 50
Pumila. Magenta-red, with white eye; distinct and fine.....	10	1 50
Crystal Palace compacta. Dark blue; a popular bedder.....	10	2 00

ERINUS VARIETIES

They produce trailing branches, 6 to 9 inches long. Indispensable for hanging over vases and baskets or garden beds, bearing continuously flowers of charming blue, white or rose shades.

	Pkt.	¼oz.
Speciosa. Dark blue, dark foliage; extra fine.....	\$0 05	\$1 00
Barnard's Perpetual. Deep blue, with white eye.....	10	1 00
Lindleyana. Rose.....	10	75
Prima Donna. Velvety maroon.....	10	75
Alba. Pure white.....	10	50

HARDY VARIETIES

Tall-growing, hardy perennials with long spikes of brilliant flowers; for permanent beds and borders they are unrivaled. They are one of the few flowering plants that thrive in shady situations. 2 to 4 feet. The most brilliant plants in cultivation.

	Pkt.	¼oz.
Cardinalis (Cardinal Flower). Long spikes of intense scarlet flowers.....	\$0 25	\$1 50
Cardinalis Lugdunensis. Rose.....	50	
Queen Victoria. Brilliant scarlet.....	50	

Lupinus

These are a very interesting class of plants and of easy culture, producing beautiful leaves and pea-shaped flowers, and should be more generally cultivated. Hardy annuals. 2½ feet.

ANNUAL VARIETIES

	Pkt.	Oz.
Albo-coccineus. Rose and white.....	\$0 05	\$0 30
Hybridus atrococcineus	05	30
Maritzianus. Blue.....	10	50
Nanus. Dwarf blue.....	05	30
Mixed	05	25



MARIGOLD, GIANT SHOW ORANGE

AFRICAN TALL MARIGOLDS

	Pkt.	Oz.
Double Mixed.....	\$0 05	\$0 50
Orange-Yellow.....	05	50
Light Yellow.....	05	50
Orange Quilled.....	05	40
Lemon Quilled.....	05	50
El Dorado. Flowers very large, imbricated and extre mely double, colors in all shades of yellow.....	¼ oz. 25 cts...	05

FRENCH MARIGOLDS, DWARF

Finest French Mixed. Tall varieties.....	Pkt. \$0 05	Oz. \$0 30
Legion of Honor. Dwarf, compact; about 15 inches high, with dark green, fern-like leaves and bright golden, star-like, flowers distributed over the surface. The blooms are of rich golden yellow, with the center of each petal marked broadly with velvety crimson-brown.....	10	50
Lutea. Pure yellow, very double.....	05	35
Silver King.....	10	50
Dwarf Mixed.....	05	40

SINGLE MARIGOLDS

Little Brownie. Charming, forming compact little bushes only 5 to 6 inches high. It is remarkable for blossoming extremely early and in prodigious abundance, commencing in June. The flowers are vividly colored golden yellow, marked with a large spot of crimson-velvet. Pkt. 5 cts., oz. 40 cts.

MATRICARIA

Grandiflora fl. pl. eximia (Feverfew) Double pure white flowers are borne on slender stems 15 inches high, which are excellent for cutting. Half-hardy perennial, which should be treated as an annual. Pkt. 10 cts., oz. 75 cts.

Golden Ball. Compact-growing variety with golden yellow flowers. Excellent for bedding. 1 foot. Pkt. 25c., oz. \$2.50.

MUSK PLANT. See *Mimulus*.

MYOSOTIS. See *Forget-me-not*.

MAURANDIA, Finest Mixed. Elegant greenhouse perennial climbers, producing the first season innumerable tube-shaped flowers. Excellent for hanging-baskets and vases. July to October. Pkt. 10 cts., ¼ oz. 75 cts.

Albiflora. White. Pkt. 25 cts., ½ oz. \$1.

Barclayana. Purple. Pkt. 10 cts., ¼ oz. \$1.

MESEMBRYANTHEMUM crystallinum (Ice Plant). Hardy annual. Grown for peculiarity of leaves. Flowers white. 1 foot. Pkt. 5 cts., oz. 30 cts.

MONARDA didyma (Bee Balm). July to September. Crimson. Pkt. 25 cts.

MOONFLOWER. See *Ipomoea*.

MORNING GLORY. See *Convolvulus*.

MUSA Ensete (Abyssinian Banana Tree). A foliage plant of magnificent proportions; for sub-tropical massing, or as single specimens they are strikingly effective. Seeds sown early in the house will produce plants 10 to 15 feet high the first season. Pkt. 25 cts.

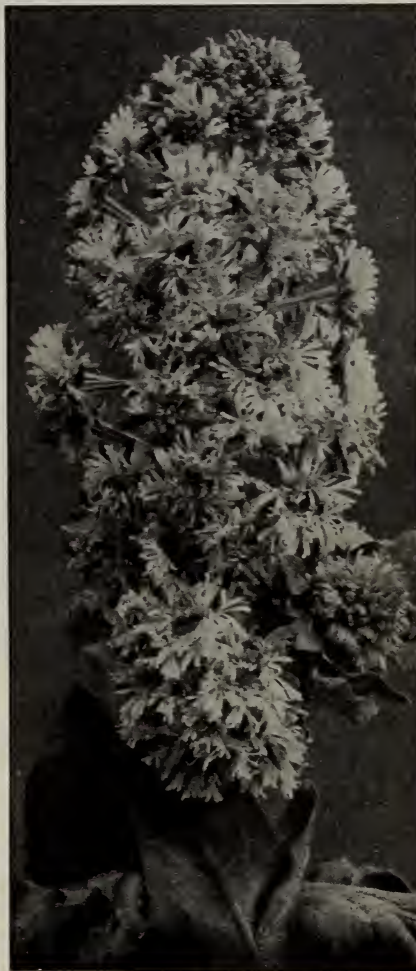
MIMOSA (Sensitive Plant). A very curious plant. The leaves instantly close up when touched. Tender annual.

Pudica. Pkt. 5 cts.

MIMULUS. The *Mimulus* are beautiful, tender-looking plants, with almost transparent branches. They luxuriate in damp, shady situations; musk-scented. Tender annual. 1 foot.

Moschatus (Musk Plant). Pkt. 10 cts.

Splendid Mixed. Pkt. 5 cts.



S. & W. Co.'s Triumph Mignonette

NEMOPHILA. Splendid annuals for garden decoration; bright-colored flowers, in shades of blue, white and violet. 1 foot.

Finest Mixed. Pkt. 5 cts.

NICOTIANA affinis. An annual with sweet-scented, pure white, star-shaped flowers, 3 inches across, blooming continually. 2 to 3 feet high. Pkt. 5 cts.

Giant Red-Flowered. Magnificent annual of tropical effect, large, luxuriant leaves and immense clusters of rich crimson flowers. 5 feet. Pkt. 5c.

WIGELLA Damascena, Double Mixed (Love-in-a-Mist). Pretty garden annuals with feathery green foliage, in which large, double, charming blue or white flowers are set. 1 to 2 feet high. Pkt. 5 cts., ½ oz. 35 cts.

Damascena. Blue. Pkt. 5 cts., ½ oz. 35 cts.

Hispanica. Blue. Pkt. 5 cts., ½ oz. 35 cts.

Miss Jekyll. A lovely variety with cornflower-blue blossoms; splendid for cutting. Hardy annual, growing about 2 feet high. Pkt. 10 cts., ½ oz. 50 cts.

MOMORDICA

(Balsam Apple and Balsam Pear)

Luxuriant annual climbers, with large leaves, making dense shade. The flowers are followed by ornamental, large fruits of orange or copper color, which burst and expose an interior of red, which is highly effective. 15 to 20 feet.

Balsamina (Balsam Apple). Orange fruits. Pkt. 5 cts., oz. 30 cts.

Charantia (Balsam Pear). Coppery scarlet-colored fruits. 1 ft. 5 cts., oz. 30 cts.

MIGNONETTE

(Reseda)

Well-known, sweet-scented little plants, everywhere at home, either in the greenhouse, garden or sitting-room. Hardy annual.

S. & W. Co.'s Triumph.

This Mignonette is one of the choicest varieties for winter forcing. In type similar to Allen's Defiance, except that spikes are more compact and the individual florets are much larger in size. Seed of this grand variety is grown at our greenhouses, and is saved from the best spikes. Pkt. 50 cts.

Allen's Defiance. This gorgeous Mignonette has qualities heretofore unknown in large-flowering varieties, being deliciously fragrant. When grown under favorable conditions and with proper care, its spikes will be from 12 to 15 inches long. The individual florets are of remarkable size and stand out boldly, forming a graceful as well as compact spike. Its remarkable strength is accompanied by extraordinary keeping qualities; the spikes have been kept in a vase three weeks after cutting, retaining their grace and fragrance until every bud opened. Pkt. 10 cts., oz. \$2.

Improved Large-flowering. Pkt. 5 cts., oz. 25 cts.

Golden Queen. Yellow-tinted flowers. Pkt. 10 cts., oz. 50 cts.

Miles' Spiral. Very fine. Pkt. 5 cts., oz. 60 cts.

Machet. A dwarf French variety, with broad spikes of very fragrant red flowers; one of the best varieties for either garden or pot culture. Pkt. 10 cts., oz. \$1.

Machet, Ruby. A fine new Machet Mignonette, with coppery scarlet flowers. Pkt. 10 cts., oz. \$2.

Machet, Bismarck. A new imported variety. Pkt. 10 cts.

Odorata maxima, Goliath. Bears very large flowers, the center spikes being often 8 inches long. The plant grows in candelabra form and produces fiery red flowers on firm upright stalks. Pkt. 10 cts., oz. \$2.

Parsons' White. Nearly white. Pkt. 5 cts., oz. 75 cts.



S. & W. Co.'s Superlative Single-flowering Nasturtiums

Stumpp & Walter Co.'s Superlative Nasturtiums

TOM THUMB VARIETIES

The dwarf Nasturtiums will always be general favorites, for the reason that they stand any amount of heat and drought, growing vigorously and flowering freely, especially in a poor, rocky soil.

	Pkt.	Oz.
Aurora. Salmon-rose.....	\$0 05	\$0 15
Beauty. Light scarlet, splashed canary.....	05	15
Brilliant. Rich scarlet.....	05	15
Chameleon. Splashed crimson, bronze and yellow.....	05	20
Crystal Palace Gem. Sulphur, spotted maroon.....	05	15
Empress of India. Brilliant crimson; dark foliage.....	05	20
King Theodore. Scarlet-maroon; dark foliage.....	05	15
King of Tom Thumb. Crimson.....	05	15
Lady Bird. Orange-yellow; red spots.....	05	15
Luteum. Light yellow; no blotches.....	05	15
Pearl. Pure white.....	05	15
Crimson	05	15
RUBY KING. Light ruby-red.....	05	15
Mixed. Finest variety.....	1 lb. \$1.	05 15

Imported Collection. 1 pkt. each of 12 of these varieties. \$0 50
1 pkt. each of 6 of these varieties.. 25

TALL, or CLIMBING VARIETIES

Beautiful and luxuriant annual climbers for trellises, arbors or vases, bearing their gorgeous flowers in profusion until killed by frost.

	Pkt.	Oz.
Chameleon. Splashed crimson, bronze and yellow....	\$0 05	\$0 20
Dunnett's Orange. Rich, golden orange, garnet blotches	05	15
Yellow.	05	15
King Theodore. Velvety dark crimson; dark foliage....	05	15
Pearl. Cream-white.....	05	15
Prinz Heinrich. New, cream-color, spotted red.....	05	15
Schulzi. Scarlet.....	05	15
Von Moltke. Bluish rose.....	05	15
Dark Crimson	05	15
Sunlight	4 ozs. 75c.	10 25
Moonlight	4 ozs. 75c.	10 25
Jupiter	4 ozs. \$1.20.	10 35
California Giants Mixed	4 ozs. 75c.	10 25
Finest Tall Mixed	4 ozs. 25c.	05 10

Imported Collection. 6 varieties..... \$0 25
12 varieties..... 50

Variegated-Leaved Nasturtiums

This new type of Nasturtiums, which came prominently before our attention this past season, has proven to be a very valuable addition to the list. The beautiful coloring of the flowers, interspersed with the silver-variegated leaves, renders a very pleasing contrast; particularly when used for covering arches and trellises, or massed among rockeries on terraces, the effect produced is very striking.

VARIEGATED-LEAVED DWARF QUEEN

	Pkt.	Oz.
Queen of Tom Thumb, Crimson	\$0 10	\$0 50
“ “ “ Scarlet	10	50
“ “ “ Yellow Spotted	10	50
“ “ “ Rosy Scarlet	10	50
“ “ “ Primrose	10	50
“ “ “ Mixed	10	40

COLLECTION. One packet each of the twelve Dwarf and Tall, Variegated-leaved Nasturtiums.....75 cts.

VARIEGATED-LEAVED TALL QUEEN

	Pkt.	Oz.
Crimson Beauty. Deep crimson-scarlet.....	\$0 10	\$0 50
Queen Alexandra. Blood-red, mottled and marbled..	10	50
Queen of Spain. Golden yellow, spotted brown....	10	50
Queen of the Morning. Aurora-colored shades....	10	50
Queen of the North. Sulphur-yellow.....	10	50
Dwarf Queen, Mixed	10	40



S. & W. Co.'s Giant Pansies

Stumpp & Walter Co.'s Pansies Are Famous

This very popular annual needs little description. Good results may be obtained from sowing seed in April in a light, cool, but well-moistened soil, enriched with a slight amount of barnyard manure or fine ground bone. Sow seed in drills, covering them five times their diameter, and firm soil and water once a day, except in very dry weather when they may be watered twice a day. Seed will germinate in about two weeks and should not be allowed to dry out. A small covering of newspapers will prevent drying out. When plants are large enough to handle, they should be transplanted to a distance of 1 foot apart. Where greenhouse and coldframe facilities are at hand, seed may be sown in July or August and protect plants during winter.

Stumpp & Walter Co.'s Non Plus Ultra.

Our Non Plus Ultra Pansy is a mixture containing the largest, handsomest and most perfect varieties ever sent out. The beautiful coloring and variety of marking give a bed of these Pansies a most brilliant appearance. The seed has been saved from the greatest assortment of types, including only the best of Giant Cassiers, Bugnots, Trimardeaux and Giant English, French and German strains. Finest Mixed, pkt. 15 cts., 1/4oz. \$1.50, oz. \$6.

Stumpp & Walter Co.'s World's Best Mixture.

This mixture is the result of careful selection, from the very largest and finest Pansies of all the varieties; and we can safely say that a better or finer strain it is impossible to get. Pkt. 25 cts., 1,000 seeds \$2, 5,000 seeds \$8.

Stumpp & Walter Co.'s Giant Pansies

					Pkt.	1/4oz.	Oz.
Giant Fire King. Red and yellow, large Pkt.	15	1/4oz.	Oz.	Giant Pure Yellow	\$0 10	\$1 00	\$3 50
brown eye.....	\$0 15	\$1 25	\$4 00	Purple	10	1 00	3 50
“ Emperor William. Deep blue.....	15	1 25	4 00	“ Snow-White	10	1 00	3 50
“ Lord Beaconsfield. Violet, shaded white	15	1 50	5 00	“ White. Dark eye.....	10	1 00	3 50
“ Light Blue. White center.....	10	1 00	3 50	“ Bugnot, Large Stained Mixed	25	1 50	5 00
“ Light Blue	10	1 00	3 50	“ Cassiers, All Colors Mixed	15	1 00	3 50
“ Madame Perret. Red shades.....	15	1 50	5 00	“ Odier, All Colors Mixed	15	1 00	3 00
“ Pres. Carnot. Pure white petals; deep				“ S. & W. Co.'s Special Mixed	10	75	2 50
blotch.....	15	1 25	4 00	Finest English Mixed	05	50	1 50
“ Purple	10	1 00	3 50				

WORLD'S BEST PANSIES, grown from our famous strain. 60 cts. per doz., \$4 per 100



S. & W. Co's Giant-Flowering Petunias

PETUNIA

The Petunia cannot be equaled by any plant for outdoor decoration. They will flower the first season, even if sown in the open ground, but usually not before June. Those sown in the house or hotbed in April will bloom in June and be larger and finer plants. Half-hardy annual.

S. & W. Co.'s Giant-Flowering Petunias. The demand for a mixture comprising the best representative types of single-flowering Petunias has been so significant that we have by careful selection and elimination prepared a special mixture. Several of the types in this mixture are illustrated on our front cover. Where a mixture of the Giant Single-Fringed and Plain-Edged varieties are desired, as well as an assortment of the various colors and shades, our customers will find them **for bedding purposes the finest procurable.** Pk. 25 cts., 5 pkts. \$1.

GIANT-FLOWERING FRINGED PETUNIAS

SINGLE VARIETIES

Under this heading we have listed the finest possible varieties of the now popular Large-Flowering Fringed Petunias. Whether desired for bedding, cutting or general display, the varieties listed are the best by test of the Fimbriata, or fringed large-flowering class.

	Pkt.
Single-Fringed White. Pure glistening white.....	\$0 25
" Yellow. Canary yellow.....	25
" Rose. Brilliant rose.....	25
" Crimson. Dazzling crimson.....	25
Single-Fringed Mixed. A mixture of best fringed varieties including with the above many new colors and shades. Should be grown by every one desiring the best.....	25

DOUBLE VARIETIES

It has been a well-established fact that seed saved from the most carefully hybridized flowers produces a small percentage of double-flowering plants. It is important to save the weaker seedlings, as these invariably produce the finest double flowers.

	Pkt.
Double-Fringed White	\$0 50
" Rose	50
" Crimson	50
Double-Fringed Mixed. A superb mixture of the finest double-fringed varieties, every shade and color represented.	50
Double Mixed. This is an excellent mixture of plain-edged double varieties	25

SINGLE BEDDING VARIETIES

	Pkt.
Crimson. Beautiful and effective, compact variety; flowers brilliant crimson.....	\$0 15
Rosy Morn. Soft carmine-pink, white center; used very extensively for borders, beds or rockeries.....	15
Snowball. An excellent compact variety, producing pure satiny-white flowers throughout the entire season; very dwarf.....	15

	Pkt.
Howard's Star. Rich crimson with distinct white star in the center.....	\$0 15
Countess of Ellesmere. Dark rose with finewhite throat.....	10
Inimitable Compacta. Bushy little plants covered with pretty striped and star-shaped flowers.....	10
Special Bedding Mixed. Select, bright colors.... ¼ oz. 25c...	05

Phlox Drummondii (Hardy Annual)

The Phlox Drummondii is one of our best annuals, flowering freely all the summer. For richness of color they cannot be surpassed. They are invaluable for beds and ribbon-gardening, therefore no garden should be without them.

S. & W. Co.'s Selected Large-flowering Tall

Varieties

	Pkt.	½oz.
Brilliant. Finest crimson.....	\$0 25	\$1 00
Chamois-Rose	10	75
Crimson. Very intense.....	10	75
Deep Purple	10	75
	Pkt.	½oz.
Deep Scarlet	\$0 10	\$0 75
Isabellina, Yellow	10	75
Rosea. Beautiful rose..	10	75
Scarlet Striped	10	75
Finest Mixed	10	60

IMPORTED COLLECTIONS

1 pkt. each of 6 varieties...	\$0 50
1 pkt. each of 12 varieties...	1 00

S. & W. Co.'s Selected Large-flowering Dwarf

Varieties

	Pkt.	½oz.
Blue Striped	\$0 10	\$1 25
Chamois-Rose	10	1 25
Defiance Brilliant	10	1 25
Fireball	10	1 25
Purple	10	1 25
Snowball	10	1 25
Surprise. Vermilion, white center.....	10	1 25
Finest Mixed	10	1 00
Phlox Drummondii , Mixed.....	05	25

IMPORTED COLLECTION

1 pkt. each of 6 varieties...	\$0 50
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HARDY PHLOX

Magnificent, hardy-flowering plants, growing into strong bushes from 2 to 3 feet high, bearing immense heads of large waxy flowers of lovely shades of color.

Large-flowering Hybrids , Mixed.....	\$0 10
Large-flowering Hybrids , Dwarf Mixed.....	10
Large-flowering Red Shades, Mixed.....	25

STAR PHLOX

Flowers are of regular star-like form. Plants of compact habit, about 18 inches high, bearing large umbels of flowers. Colors varied and beautiful.

Star of Quedlinburg. Mixed colors. Pkt. 10c., 1,000 seeds 75c.

OENOTHERA Fraseri (Evening Primrose). Hardy perennial. Border plants of value. Beautiful, large yellow flowers. July to Oct. 1½ ft.	¼oz. \$1.50..	\$0 25
Lamareckiana. Hardy perennial. Enormous yellow flowers. July to October. 3 feet.....	05	\$0 30
Missouriensis. Hardy perennial. Rich yellow flowers. 4 to 5 inches across, on trailing, ascending branches. June to August. 1 foot.....	10	1 50

OXALIS. Pretty little half-trailing annuals, for hanging-baskets, vases, rockwork and edgings; flowering in profusion. 6 to 9 ins.	Pkt.	
Floribunda alba. Fine for edgings.....	\$0 10	
Floribunda rosea. Fine for edgings.....	10	
Fine Mixed	05	

PEPPER, Celestial. Finest strain. One of the decorative plants largely used for Christmas..... 25

PENTSTEMON (Beard Tongue)

Highly useful and attractive hardy perennial, and much used in the hardy border.

S. & W. Co.'s Giant-Flowered Hybrids

Mixed. This is a mixture of the finest giant-flowering varieties and a very excellent assortment of colors. Pkt. 25 cts.

Sensation. As a bedding plant this takes rank with the Petunia. Phlox, etc. It grows about 2 feet high, every branch being a spike of large, gloxinia-like flowers in a very wide range of bright colors, including rose, red, carmine, cherry, pink, lilac, purple, etc. Not quite hardy, and best treated like Petunias, Verbenas, Salvia, etc. Pkt. 15 cts., 2 pkts. 25 cts.

Barbatus Torreyi. Spikes of brilliant coral-red; very effective; June to August; 3 to 4 feet. Pkt. 10 cts.

Digitalis (Foxglove Pentstemon). Spikes of white flowers, with purple throat, during July and August. Pkt. 10 cts.

Pubescens. Spikes of bright rosy-purple flowers in July and August; 1½ feet. Pkt. 10 cts.

Pulchellus hybridus. Forms pyramidal bushes 2 to 3 feet high, with erect branches thickly set with flowers, 1½ inches long, varying in all shades from rosy-white and chamois to purple, with veined throats. Pkt. 15 cts.

Mixed. Good assortment of colors. Pkt. 5 cts.

PHYSOSTEGIA Virginica (False Dragon Head). One of the prettiest hardy perennials, forming dense bushes, 3 to 4 feet high, and bearing freely during the summer months spikes of delicate pink tubular flowers not unlike a gigantic heather. Pkt. 10 cts.

PHYSALIS Franchetti (Chinese Lantern Plant). An ornamental variety of the Winter Cherry, forming dense bushes about 2 feet high, producing bright orange-scarlet lantern-like fruits. Hardy perennial; flowers in fall. Pkt. 25 cts.

Pueraria Thunbergiana

Japanese Kudzu Vine

To this must be awarded first place as the fastest-growing hardy climbing plant. It will grow 8 to 10 feet the first year from seed, and after it has become established there seems to be no limit to its growth, 50 feet in a single season being not unusual. Its foliage is large and covers well; it bears small racemes of rosy-purple, pea-shaped blossoms toward the close of August. A splendid subject for covering permanently verandas, dead trees, etc. Pkt. 10 cts., ¼oz. 30 cts.



S. & W. Co.'s Large-flowering Phlox Drummondii



Single Portulaca (See page 60)

PORTULACA H. A.

SINGLE GRANDIFLORA

	Pkt.	Oz.
Alba. Pure white.....	\$0 05	\$0 60
Aurea. Deep golden yellow.....	05	60
Rosea. Beautiful rose.....	05	60
Splendens. Crimson.....	05	60
Finest Mixed.....	05	40

DOUBLE GRANDIFLORA

Alba. White.....	10	4 00
Rosea. Rose.....	10	4 00
Salmonea. Salmon.....	10	4 00
Splendens. Crimson.....	10	4 00
Sulphurea. Yellow.....	10	4 00
Finest Mixed.....	10	3 50

PASSION FLOWER. Handsome, rapid-growing perennial climber for greenhouse decoration or sunny positions in the open ground in summer.

Coerulea. Large flowers of violet and blue.....	Pkt.	\$0 10
Alba. Large, white flowers.....	10	
Incarnata. Flesh-colored.....	10	
COLLECTION. One packet of each for.....		\$0 25

POLEMONIUM (Jacob's Ladder). Hardy perennial, with clusters of blue-and-white flowers. Foliage deeply cut and ornamental. 2 feet. May to August.

Coeruleum grandiflorum. Deep blue.....	Pkt.	\$0 10	Oz.	\$0 75
Coeruleum album. Pure white.....	10			75
Richardsonii. Sky-blue.....	10			1 00

PLATYCODON. See *Wahlenbergia*.

POPPIES

See illustration of
Mixed Shirley Poppies
on front cover

There is probably no flower of greater popularity than the Poppy, particularly the annual varieties.



SHIRLEY POPPIES

Single Hardy Annual Poppies

	Pkt.	Oz.
Shirley, Carmine Shades.....	\$0 10	\$0 75
" Rose Shades.....	10	75
" Salmon Shades.....	10	75
" White Shades.....	10	75
" Finest Mixed.....	05	50

Admiral. A single peony-flowered variety of surpassing beauty, having large, smooth-edged flowers of glistening white, with a broad band of brilliant scarlet around the top. Excellent for grouping.....	10	1 00
Danebrog. Large flowers of brilliant scarlet, with a silvery white spot on each petal.....	05	25
Glaucum (Tulip Poppy).....	10	50
English Scarlet. Very attractive.....	10	

Double Hardy Annual Varieties

American Flag. White-margined orange-scarlet.....	10	30
Carnation-Flowered. Finest mixed.....	05	25
White Swan. Immense flowers, beautifully fringed.....	05	25
Peony-Flowered. Mixed.....	05	25
Ranunculus, or French, Mixed.	05	25

Hardy Perennial Varieties

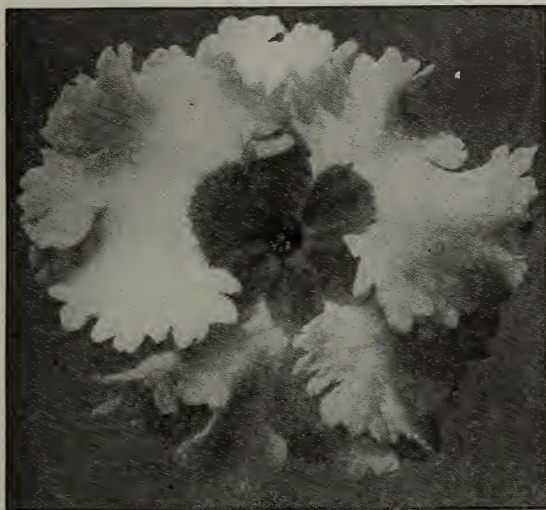
Too much cannot be said of this class of Poppies, as for general effectiveness and brilliancy of display they are unequalled.

Bracteatum, Scarlet. Immense orange-scarlet flowers, very similar to the oriental variety.....	Pkt.	Oz.
	\$0 10	
Iceland (Nudicaule) Scarlet.	10	\$1 00
" " White.....	10	1 00
" " Yellow.....	10	1 00
" " Mixed.....	10	75
" Double Mixed.....	10	75
Oriental, Rose. 3 feet.....	10	1 50
" Brilliant Scarlet. 3 feet.....	10	1 50
" Little Prince. 1 1/2 feet.....	10	
" Prince of Orange. 3 feet.....	10	
" Finest Mixed.....	10	



ORIENTAL POPPIES

SOW ANNUAL POPPIES EARLY IN SPRING WHERE INTENDED TO BLOOM



S. & W. CO.'S GIANT PRIMULAS



PRIMULA OBCONICA GIGANTEA

spring they produce their sprays of beautiful rosy lilac flowers in seemingly never-ending profusion. Pkt. 25 cts.

Kewensis. This new variety is most attractive, with pleasing bright yellow flowers borne on long stems. It is delightfully fragrant and stands well as a house-plant. Pkt. 25 cts.

Vulgaris (English Primrose). Canary-yellow, very fragrant. Pkt. 10 cts., 1/4 oz. 50c.

PYRETHRUM

Handsome herbaceous plants of easy culture and are increasing in popularity.

Aureum (Golden Feather). Half-hardy perennial grown as an annual. Valuable for edging as their foliage makes a fine contrast with other bedding plants. Pkt. 5 cts., oz. 50 cts.

Hybridum. Large-flowering single mixed. Hardy perennial bearing daisy-like flowers ranging in color from light pink to deep red, with bright yellow centers. Blooms in May and June and in the fall. Very excellent and lasting as a cut-flower. Pkt. 10 cts.

Hybridum fl. pl. Large double flowers resembling the China aster. Mixed colors. 2 feet. Pkt. 25 cts.

Uliginosum (Giant Daisy). Blooms first year, if sown early, from July continuously to September most profusely; the plant being hidden beneath a multitude of blooms. Pkt. 10 cts.

PRIMULA (Primroses)

The strains of Primula offered below are specially grown for us by a famous English Primula specialist and are selected from the finest and best-developed plants. Seed sown in April will bloom during early winter; August for spring blooming. Sow in shallow pans, in soil consisting of part sand and leaf-mold worked through a fine sieve and allow for good drainage. Cover seeds lightly and water frequently; give a temperature of about 65 degrees.

Primula Sinensis (Chinese Primroses)

This beautiful Chinese Fringed Primrose is indispensable for spring decoration in the home or conservatory, and ranks as one of the most important winter-blooming pot-plants that is grown by the florist. Our Giant Fringed strain is of the highest merit and is carefully selected.

Stumpp & Walter Co.'s Giant Primulas

Giant magnifica Blue	Giant Salmon
" Crimson	" White Fern-Leaved
" Rose Queen	" Mixed
" Ruby Queen	

Pkt. 75 cts.; collection of 6 pkts. for \$4.25

Giant Double White	Giant Double Rosy Pink
" Princess of Wales	" Salmon-Pink
" Striped	Mixed
" Blue	

Pkt, 75 cts.; collection of 6 pkts. for \$4.25

Primula Stellata

A very pretty form with large heads of star-shaped flowers of various colors; a splendid type for decorative purposes.

Giant White Star	Giant Crimson Star	Giant Rosy Star
" Salmon-Pink	" Blue Star	" Mixed

Pkt. 75 cts.; collection of 6 pkts. for \$4.25

Primula obconica gigantea

This type of Primula outrivals the old Obconica type, the flowers being considerably larger, often measuring 1 1/2 inches in diameter. For pot-culture this type is very useful, as well as the open border.

Obconica gigantea Kermesina.	Rich crimson	Pkt. \$0 25
" " rosea.	Rose	25
" " alba		25
" " lilacina.	Beautiful lilac	25
" " Mixed.	A mixture, containing pure white to Crimson	25

Forbesi (Baby Primrose).

This is the freest-flowering Primula we know of. The little plants throw up tiny flower-stalks when only a few weeks old. These should be pinched off and the plants kept growing until October, and from then on until late in



PRIMULA VULGARIS (English Primrose)

SALPIGI OSSIS (Painted Tongue)

The Salpiglossis is one of the greatest favorites among annuals, but principally for its beautiful, orchid-like flowers, which it produces from spring to fall. Seed should be started indoors early in spring and set out as soon as weather has become settled.

Emperor. Grows about 2 feet high and branches out similar to a mature tree. Pkt. 10 cts., ½ oz. 50 cts.

SALPIGLOSSIS GRANDIFLORA

	Pkt.	½ oz.
White	\$0 10	\$0 50
Brown	10	50
Scarlet	10	50
Crimson	10	50
Sulphur-Yellow	10	50
Rose	10	50

COLLECTION. 6 separate varieties \$0 25

SMILAX. Charming tender perennial climber for greenhouse or window-garden. The foliage and stems are of a pleasing light green, very graceful; excellent for decoration. Pkt. 10 cts., oz. \$1.

SENSITIVE PLANT. See *Mimosa*.

SILENE (Catchfly). Dwarf hardy perennial; fine for border; pink flowers; blooms early in the spring and lasts through August.

Armeria. Hardy annual. Mixed..... \$0 05

Pendula, Dwarf Rose. 6 inches..... 05

Pendula, Dwarf White. 6 inches..... 05

SILPHIUM perfoliatum (Rosin Weed). H.P. 6 in. Yellow. Fall..... 05

SISYRINCHIUM anceps (Satin Lily). H.P. 2-ft. Yellow. May to August..... 10



SALPIGLOSSIS GRANDIFLORA

SALVIA

One of our most handsome summer- and autumn-flowering plants, growing into compact bushes about 3 feet high and literally ablaze with brilliant flowers; very effective for massing on the lawn and for garden decorations. Half-hardy perennial.

Splendens (Scarlet Sage). Beautiful bright scarlet; 3 feet. Pkt. 5 cts., oz. \$2.

Bonfire (*Salvia splendens nana compacta erecta*). This variety, without question, is the finest Salvia for bedding yet introduced. The plants grow into very compact oval bushes, about 2½ feet high and produce long spikes of brilliant scarlet flowers. They stand out stiff and erect; over 200 spikes to a plant is not unusual, and the spikes bear from twenty to thirty flowers each. Gorgeous effects can be produced with the Bonfire Salvia massed on the lawn or in the garden, or planted in rows along a sunny drive, where the brilliant scarlet is simply dazzling. Pkt. 10 cts., ½ oz. \$1.50, ½ oz. \$2.50, oz. \$5.

"Burning Bush." This variety of Scarlet Sage forms strong, sturdy bushes 2½ feet high, and bears the finest individual spikes of flowers of all, many of them being over 18 inches in length; color intensely rich scarlet; decidedly one of the best. Pkt. 10 cts., ½ oz. 75 cts.

Zurich. A splendid dwarf variety, growing about 2 feet high, and is especially valuable on account of being the earliest to bloom, flowering 10 days in advance of any other sort. Pkt. 20 cts., ½ oz. 75 cts.

Patens (Blue Sage). In color this is as blue as the "Scarlet Sage" is red; unlike the latter, however, it is not useful for bedding, but is a beautiful plant for the border or greenhouse; tender perennials. 2 feet. Pkt. 25 cts.

Azurea grandiflora. A hardy perennial variety, producing during August and September spikes of pretty sky-blue flowers in great profusion. 2 to 3 feet. Pkt. 10 cts.

Farinacea. A perennial variety, but best grown as an annual. Seeds sown in the open ground in May bloom from July to frost. The fine light blue flowers are borne on long spikes held above the foliage; makes a good blue line. 2 feet. Pkt. 10 cts.

Rehmannia

Angulata. Greenhouse herbaceous perennial from central China, erect habit; 2 to 3 feet in height; flowers 3 inches in diameter, rosy purple with yellow throat, spotted with deep purple; of easy culture; blooms nine months from time of sowing seed. Pkt. 25 cts.



SALVIA SPLENDENS (Scarlet Sage)



SCABIOSA, IMPROVED LARGE-FLOWERING

SCABIOSA

Mourning Bride; Pin-Cushion Flower;
Sweet Scabious

These beautiful hardy annuals are in great demand. They grow about 2½ feet high and begin to bloom early in July without interruption until cut down by the frost. As a flower for cutting they are much in demand. The various shades are very charming, but are equally well adapted for borders or beds, where they display themselves very effectively. Seeds should be sown any time in the spring after danger of frost is past.

IMPROVED DOUBLE LARGE-FLOWERING

	Pkt.	Oz.
Azure Fairy. Lavender-blue.....	\$0 10	\$1 00
Fiery Red. Bright red.....	05	50
Pompadour. Purple-black.....	05	50
King of the Blacks. Very black.....	05	50
Flesh Color. Light pink.....	05	50
Pure White	05	50
Improved Double Large-Flowering Mixed	05	35
Improved Double Large-Flowering Dwarf Mixed.	05	35
COLLECTION. One packet each, 6 sorts	\$0 25	

HARDY PERENNIAL VARIETIES

Caucasica (Flue Bonnet). One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water; lilac-blue; 3 feet. Pkt. 10 cts.

Caucasica alba. Pure white. 3 feet. Pkt. 10 cts.

Japonica. A hardy perennial variety from Japan, forming bushy plants 2½ feet in height by the same through, and bearing on long wiry stems beautiful, artistic, lavender-blue flowers, extremely floriferous, producing a continuous crop all summer. A fine cut-flower. Pkt. 15 cts.

SCHIZOPETALON Walkeri. Pretty hardy annual with numerous white, almond-scented, fringed flowers; sow where intended to bloom. 9 inches. June to Sept. Pkt. 10 cts.

For Best
NOVELTY
CACTUS
DAHLIAS
See page 80.



Schizanthus Wisetonensis

SCHIZANTHUS (Butterfly, or Fringe Flower)

These dainty plants are of easy culture in any good garden soil. They are also useful as pot-plants for spring flowering, the seed being sown in early fall and the plants kept in a light house and given plenty of room as they need it. Pkt.

Wisetonensis. Charming, new, long-blooming varieties, multitudes of light-colored flowers, excellent pot-plants. Carefully selected strain.....\$0 25

Hybridus grandiflorus. New. A very popular strain of this popular and showy annual, plants grow 12 inches in height, compact and pyramidal habit, great range of colors, bright and showy..... 25

Grahami. Red..... 10

Pinnatus. Large, lilac-flowered..... 10

Retusus, Rosamond. Bright rose..... 25

Retusus Trimaculatus. Rosy crimson, yellow lip..... 25

Mixed

STATICE incana hybrida nana (Sea Lavender). Violet. June to September..... 10

SHAMROCK, Small-Leaved..... 50

SOLANUM arboreum (Jerusalem Cherry). Large-leaved variety..... 10

Capsicastrum, Hayes. Coral-red berries; excellent winter pot-plant.... 25

Select Unwin and Grandiflora Sweet Peas

Culture of Sweet Peas. One of the methods which has been followed with excellent results is to dig a trench about a foot deep and a foot wide; at the bottom put in a layer of well-rotted manure 3 inches deep and tramp down well, fill up about 5 inches with good soil and then firm well. Peas may be sown in single or double rows, but care should be taken not to sow too thickly, cover with soil to within about 1 inch of the top of trench. When plants begin to show about 6 inches above the soil, a light dressing of bone meal is strongly recommended and a liberal supply of water should be given. The cut-worm is one of the greatest enemies of Sweet Peas, attacking the young shoots just as they come up. At the first appearance of this pest a good sprinkling of lime over the row sometimes helps to exterminate it. As soon as the vines reach a height of about 8 inches, proper trellis or other supports should be provided. Sow as soon as frost is out of the ground. Where sown in fall for early spring blooming, care should be taken to see that the location is a fairly dry one.

SIX SELECT UNWINS

Although of distinct origin, Gladys Unwin is nearly of the same type as the Countess Spencer, but the flowers are not so large. These seedling varieties resemble the parent and generally come uniformly waved and fluted.

Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., $\frac{1}{2}$ lb. \$1.50, lb. \$2.75

E. J. CASTLE. Rich carmine-rose with salmon shading in the standard; beautiful under artificial light.

NORA UNWIN. Beautiful, large white; three flowers frequently come to the stem.

FRANK DOLBY. A lovely light lavender-blue, one of the best in its color; bold, wavy standard and widely spreading wings.

GLADYS UNWIN. A bold flower with a striking, upright standard which is crinkled and waved; broad wings. Of a lovely light pink.

PHYLLIS UNWIN. Beautiful, large flowers, borne on long, stout stems, which carry three or four flowers each; of an exquisite rose-color throughout.

MRS. ALFRED WATKINS. Flowers are of large size, beautifully formed, large and crinkled; both standard and wings are a clear pink.



Grandiflora Sweet Peas

SELECT GRANDIFLORA SWEET PEAS

The following is a select list of up-to-date, large-flowering varieties. Our customers may find an old favorite missing from the list, but we can assure you that we can supply you with one of the same color in a larger- and better-flowering variety. **Owing to the unusual shortage of the Sweet Pea crop we are obliged to raise the prices on Sweet Peas.** Perhaps you may find some of the varieties listed at prices below ours, but we are making only a fair average price; some varieties low and perhaps a few high.

America. Large, bold flower; white, striped with blood-red.

Aurora. Orange-rose striped on white.

Blanche Ferry. Extra-early; pink and white.

Black Knight. Deep maroon, self-colored.

Captain of the Blues. Standard purple-blue, wings bright blue.

Countess of Lathom. An excellent, delicate self-pink.

Countess of Radnor. Standard delicate lavender, wings dark mauve.

Dainty. White with pink edge.

Dobbie's Mid-Blue. A medium-sized flower with fine, erect standard. An excellent exhibition variety.

Dorothy Eckford. Excellent pure white.

Earliest of All. Pink and white; very early.

Earliest Sunbeams. Very desirable for early flowering. The flowers are of rich primrose, generally borne three on a strong stem.

Emily Eckford. Rosy mauve, changing to an almost true blue.

Emily Henderson. Large flowers; pure white.

Evelyn Byatt. Rich orange standard with falls or wings of a deeper color, giving a rich, fiery orange or deep sunset color to the entire flower; very striking and unique.

Flora Norton. Rich lavender-blue; very fine.

Henry Eckford. Bright, glowing orange; extra-fine flower.

Helen Pierce. Blue-mottled on white ground; a pretty and distinct variety.

Hon. Mrs. E. Kenyon. Primrose; a very excellent sort.

Janet Scott. Deep, bright pink.

Katherine Tracy. Exquisite bright pink; stands the sun quite well without fading.

King Edward VII. A very excellent scarlet flower.

Lady Grisel Hamilton. A very beautiful silvery lavender.

Lovely. Soft shell-pink; large flowering.

Marchioness of Cholmondeley. Cream shaded and edged with pink.

Miss Willmott. Standard orange-pink, showing veins of deeper orange-pink.

Mont Blanc. Earliest-flowering white.

Mrs. Eckford. A large flower of charming primrose-yellow.

Mrs. Gladstone. Soft pink, rosy blush wings.

Mrs. Knight Smith. Pink; sports somewhat.

Mrs. Walter Wright. A beautiful shade of mauve, with bright, shaded mauve wings; flowers large, slightly hooded.

Navy-Blue. Dark indigo-blue and violet.

Othello. A deep glossy maroon self. An excellent variety and very profuse bloomer.

Prince Olaf. Striped and mottled blue on white ground.

Queen Alexandra. Considered by many to be one of the finest scarlets. Stands sun unusually well.

Romolo Piazanni. Rosy purple, self-colored, changing to lilac and blue when fully expanded.

Salopian. The best of the crimson-scarlets.

Shahzada. Maroon, shaded black at base.

Stella Morse. Rich primrose, flushed pink.

White Wonder. Truly named, this Sweet Pea often bears six flowers to a stem, some of which frequently come double.

Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., $\frac{1}{2}$ lb. 75 cts., lb. \$1.25. One packet will sow a single row 6 feet long

High-Grade Mixed. This mixture is composed of the best of the Grandiflora named varieties, and every care is taken to see that all the colors are well represented. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., $\frac{1}{2}$ lb. 75 cts., lb. \$1.25.

Eckford's Large-flowering Mixed Sweet Peas.

This strain, while not embracing the most recent novelties, contains a good assortment of the famous Eckford Sweet Peas. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., $\frac{1}{2}$ lb. 50 cts., lb. \$1.

Double Sweet Peas, Mixed. A mixture of double varieties. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

Cupid Sweet Peas. Mixed colors, including many varieties. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Bush Sweet Peas. Mixed. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Giant Waved or Spencer Sweet Peas

The Spencer Waved Sweet Pea is a distinct advance in the development of the Sweet Pea. No modern garden is complete without this grand type. The chief characteristic of the Spencer Sweet Peas is their robust growth, plants frequently attaining a height of from 6 to 10 feet, requiring a foot of space in the row for each plant to fully develop. The flowers are gracefully formed; both standard and wings are larger than the Grandiflora type, flowers often measure 2 to 2½ inches in diameter and are borne on stems 18 inches long, with four blooms. We have listed below all varieties of the Spencers that we catalogue, except the latest new and rare kinds.

- AMERICA SPENCER.** Ground white, mottled and flaked crimson-scarlet. Pkt. 15 cts., oz. 35 cts., ¼lb. \$1.25.
- APPLE BLOSSOM SPENCER.** Standard rose, wings blush. Pkt. 15 cts., oz. 35 cts., ¼lb. \$1.25.
- ASTA OHN.** Uniform, soft pinkish lavender. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- AURORA SPENCER.** White ground, striped and flaked orange-pink. Pkt. 15 cts., oz. 35 cts., ¼lb. \$1.25.
- BEATRICE SPENCER.** White ground, tinted soft pink. Pkt. 15 cts., oz. 35 cts., ¼lb. \$1.25.
- BLANCHE FERRY SPENCER.** Standard rose, wings white. Pkt. 15 cts., oz. 35 cts., ¼lb. \$1.25.
- CAPTAIN OF THE BLUES SPENCER.** Bright purple, margin of petals marbled. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- COUNTESS SPENCER.** Bright shade of pink. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- DAINTY SPENCER.** Ground-color white, with a beautiful picotee edge of rose-pink. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- ELFRIDA PEARSON.** Pale pink on white ground; exquisite. Pkt. 25 cts., 5 pkts. \$1.
- ENCHANTRESS.** Bright pink, shading to deeper pink at the edges. Pkt. 15 cts., oz. 35 cts., ¼lb. \$1.25.
- ETTA DYKE.** A splendid white of giant Spencer form. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- FLORA NORTON SPENCER.** Bright blue, tinted purple. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- FLORENCE MORSE SPENCER.** Standard richly flushed pink; wings soft blush. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- FLORENCE NIGHTINGALE.** Rich lavender, enlivened by a faint sheen of soft pink. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- GEORGE HERBERT SPENCER.** Bright rosy carmine, suffused with magenta, showing veins. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- GEORGE STARK.** A splendid scarlet; one of the best. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- HELEN LEWIS.** The best orange-pink. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- KING EDWARD SPENCER.** One of the best crimsons. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- LOVELY SPENCER.** Standard light blush-pink, wings light pink, suffused soft blush. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- LOYALTY.** Ground-color white, striped and flaked blue. Pkt. 25 cts., 5 pkts. \$1.
- MARGARET MADISON.** A clear azure-blue; exquisite. Pkt. 25 cts., 5 pkts. \$1.
- MARIE CORELLI.** Bright carmine-rose. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- MASTERPIECE.** Lavender, tinted mauve. Pkt. 25 cts., 5 pkts. \$1.
- MAUDE HOLMES.** One of the finest sunproof crimsons. Pkt. 25 cts., 5 pkts. \$1.
- MRS. C. W. BREADMORE.** Cream-buff ground, beautifully edged pink. Pkt. 25 cts., 5 pkts. \$1.



Captain of the Blues Spencer Sweet Peas

- MRS. HUGH DICKSON.** One of the best cream-pinks. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- MRS. ROUTZAHN SPENCER.** Beautiful blending of soft straw-color, tinted blush-pink. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- MRS. SANKEY SPENCER.** Tinted pink in the bud but changing to white as the flowers open. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- NUBIAN.** The finest deep chocolate self. Pkt. 25 cts., 5 pkts. \$1.
- OTHELLO SPENCER.** Beautiful maroon, with glossy effect. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- PEARL-GRAY.** Lovely pale gray. Pkt. 20 cts., oz. 75 cts.
- PRIMROSE SPENCER.** Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- QUEEN VICTORIA SPENCER.** Pale primrose; decidedly unique. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- SENATOR SPENCER.** Chocolate and seal-brown, striped, flaked and mottled on ivory-white. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- STIRLING STENT.** Deep salmon, suffused with orange. Pkt. 25 cts., 5 pkts. \$1.
- TENNANT SPENCER.** A distinct and pretty purplish mauve. Pkt. 15 cts., oz. 35 cts., ¼lb. \$1.25.
- THOMAS STEVENSON.** Brilliant orange-scarlet; of splendid Spencer form. Pkt. 20 cts., oz. 75 cts., ¼lb. \$2.50.
- WHITE SPENCER.** Splendid. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.
- W. T. HUTCHINS.** Soft, delicate blush and straw, shaded apricot. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.

GRAND PRIZE MIXTURE Giant Spencer Sweet Peas

This is a combination of the best varieties of the Spencer Sweet Peas, and includes every described color and shade, good care being taken to have all best varieties.

Packet.....	\$0 10
Ounce.....	30
Quarter-pound.....	75
Half-pound.....	1 35
Pound.....	2 50

Dwarf Large-flowering Ten Weeks Stocks

These popular flowers are easily grown, and are so highly fragrant and of such great beauty, and have so many good qualities, that they deserve a place in every garden. They should be given good rich soil to grow in, and will amply reward good treatment with remarkably large pyramids of bloom; the flowers represent a great diversity of color. The double Large-flowering Ten Weeks Stocks are great improvements over the Gilliflowers of the olden times, the flowers being much larger and more densely double, and there is also a much larger variety of colors and shades than there used to be.

High-bred, Dwarf Large-flowering Ten Weeks Stocks

The finest stock for bedding, or growing in pots. Our stock of seeds of these have been gathered from plants growing in pots, and are therefore the very finest procurable.

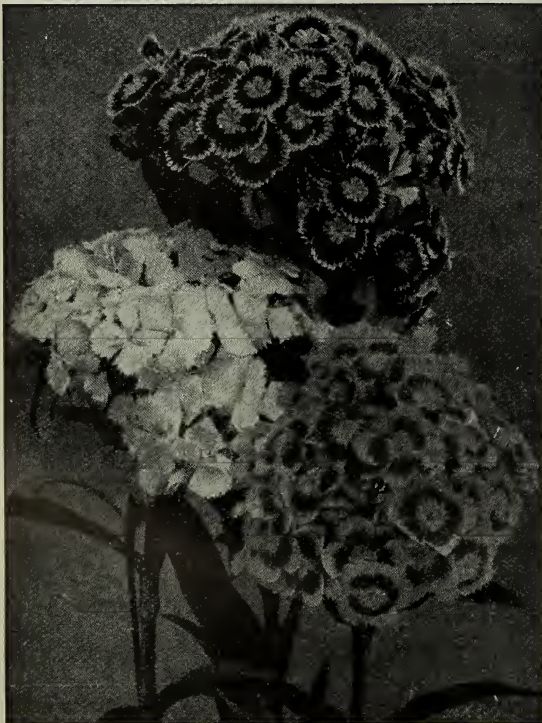
	Pkt.	½oz.
White	\$0 25	\$1 00
Carmine-Scarlet	25	1 00
Crimson	25	1 00
Light Rose	25	1 00
Brilliant Rose	25	1 00
Canary-yellow	25	1 00
Shining Purple	25	1 00
Blood-Red	25	1 00
Finest Mixed	25	1 00
Ten Weeks Stocks, Fine Mixed	10	75

Dwarf Forcing Ten Weeks, Snowflake.

A beautiful dwarf-growing variety; very large double white flowers; very early. Pkt. 25 cts.

Cut-and-Come-Again Stocks

The best variety for cutting. Seed of these varieties, if planted in February, will be in full bloom by the latter part of May, or, planted



Sweet William (*Dianthus barbatus*)



S. & W. Co.'s Cut-and-Come-Again Stocks

CUT-AND-COME-AGAIN STOCKS, continued

in May, will be in bloom during July and August. Stock high-bred Cut-and- Come-Again.

	Pkt.	½oz.
Princess Alice. White	\$0 25	\$1 00
Fiery Crimson	25	1 00
Dark Blue	25	1 00
Empress Elizabeth	25	1 00
Beauty of Nice	25	1 00
Chamois-rose	25	1 00
Empress Augusta Victoria. Silvery lilac	25	1 00
Sulphur-Yellow	25	1 00
Queen Alexandra. Lilac-rose; very attractive	25	1 00
Mixed	25	1 00

Winter-flowering Stocks

	Pkt.	Oz.
Beauty of Nice. A very pretty shade of flesh-pink	\$0 25	
Canary-Yellow. Beautiful canary-yellow	25	
Empress Elizabeth. Bright rose	25	
Rose of Nice. Carmine-rose	25	
Peach-blossom. Salmon-pink	20	
Crimson King. Fiery scarlet	25	
Queen Alexandra. Lilac-rose; very attractive	25	
Empress Augusta Victoria. Silvery lilac	25	

Sweet William (*Dianthus barbatus*)

Free-flowering, unsurpassed for richness and variety of color. Effective for bedding. Hardy biennial. 1½ feet.

	Pkt.	Oz.
Single, Finest Mixed Pure white. Dark red	\$0 05	\$0 35
Black-Red	05	50
oculatus. Very bright color with eye	05	50
White	05	50
marginatus. Bordered with eye	05	50
Holborn Glory. Extra-large flowers; finest shades	10	1 00
Pink Beauty. Deep pink; very fine	10	1 50
Double, Finest Mixed	10	1 50
Pure White	10	1 50
Dark Red	25	4 00

Stokesia cyanea, or Cornflower Aster

A BEAUTIFUL HARDY PERENNIAL

This beautiful native hardy plant is not yet so well known as it should be. No garden, large or small, should be without it. No picture, be it ever so perfect, can do justice to its delicate beauty. When once seen every one will want a bed of it. As a single specimen or group in the hardy border it makes for itself a place that cannot be filled by any other hardy plant, while for beds or masses of any size it ranks with the phlox, peony and iris. It is of the easiest culture, growing easily from seed and also multiplied by division of the plant. The plants grow from 16 to 24 inches high, and in the North bloom from July to late in October, while in the South they bloom during May and June, with occasional blooms later if kept well cultivated. Although a native of the sunny South, it seems to grow equally well all over the North and is reported perfectly hardy as far north as northern Wisconsin. Its beautiful centaurea-like blossoms of a delicate lavender-blue color are highly valuable for cutting, supplying a shade of color not over plentiful at any season of the year. It starts off rather slowly when first set out and is far superior the second year after setting, so should be set where it can make a permanent bed. Pkt. 25 cts., 1/2 oz. \$1, 1/4 oz. \$1.75.

STEVIA serrata. A tender perennial, in great favor for cutting purposes; large heads of small white flowers of very graceful effect. Pkt. 5 cts.

Streptocarpus hybridus. A new hybrid race of the Cape Primrose, the flowers somewhat resembling those of the gloxinias, but smaller. The plants are compact in habit, the flowers about 2 inches in diameter, with long, tube-like corollas, and are borne in clusters of six to eight on a stem, with several stems to the plants. The colors are varied from white through shades of pink, rose, wine-red, light blue, mauve, etc., many having white throats or marked in various ways. Used for greenhouse and conservatory decoration. Sow in pans in rich soil, in early spring in heat, and pot off into small pots when large enough to handle. Keep seed-pans moist. Pkt. 50 cts.

TRITOMA uvaria grandiflora (Red-hot-poker Plant). Hardy Pkt. perennial. Flowers scarlet, orange and yellow, on a very prominent spike. September. 4 feet. Pkt. \$0 10
Express. New. Similar to above, but throws up its flowers as early as June and continues till frost. Pkt. 20
May Queen. New. Hardy perennial. Bright yellow flowers appear continuously from June till frost. The best sort in cultivation. 2 feet. June to October. Pkt. 25

THUNBERGIA. Ornamental, free-flowering climbers of rapid growth, with handsome foliage and much admired flowers. They should be sown in a warm situation. Half-hardy annual.

	Pkt.	Oz.
Alata. Buff, with dark eye.	\$0 05	\$1 25
Alba. White, with dark eye.	05	1 25
Bakeri. Pure white.	05	1 25
Freyeri. Orange.	05	1 25
Mixed.	05	75

TROLLIUS Caucasicus (Orange Globe). A beautiful hardy Pkt. perennial, with large, deep, double yellow flowers. 1 foot. \$0 25
Europaus (Double Buttercup). Hardy perennial, with very large yellow globular flowers from May to August. Pkt. 10
Japonicus (Giant Double Buttercup). One of our best yellow-flowering hardy perennials. Flowers large. June and July. Pkt. 25

TORENTIA. Pretty plants for vases or hanging-baskets. Succeed well in the open ground. Tender annual. 1 foot. Pkt. 1/2 oz.
Bailloni. Golden yellow, deep red throat. Pkt. \$0 25 \$2 00
Fournieri. Porcelain-blue and rich violet; throat bright yellow. Pkt. 10 60
White Wings. Pure white, with rose throat. Pkt. 10 2 00

VERONICA spicata. An elegant hardy border plant, growing about 1 1/2 feet high, bearing all summer spikes of bright blue flowers, which lengthen with age. Pkt. 10
Candida. A white variety of the same. Pkt. 10

VALERIAN, Finest Mixed (Garden Heliotrope). Hardy perennial. Pinnate foliage and panicles of flowers, with odor of heliotrope. 5 feet. June and Pkt. Oz.
 July. Pkt. \$0 05 \$0 30
Red. Pkt. 10 50
White. Pkt. 10 50

VINCA. Beautiful. Fine for parlor, greenhouse or garden decoration. Their color can hardly be surpassed. Tender perennial. 1 1/2 feet. Pkt. Oz.
Alba. Pure white. Pkt. \$0 10 \$1 00
Rosea. Bright rose. Pkt. 10 1 00
Rosea alba. White, with rosy eye. Pkt. 10 1 00
Mixed. Pkt. 10 75

S. & W. Co.'s Verbenas

We take special pains with our strain of Mammoth Verbenas, continually selecting and keeping it up to the highest point for size of flowers, purity of color, etc. They should be sown early to get nice plants in time for spring.

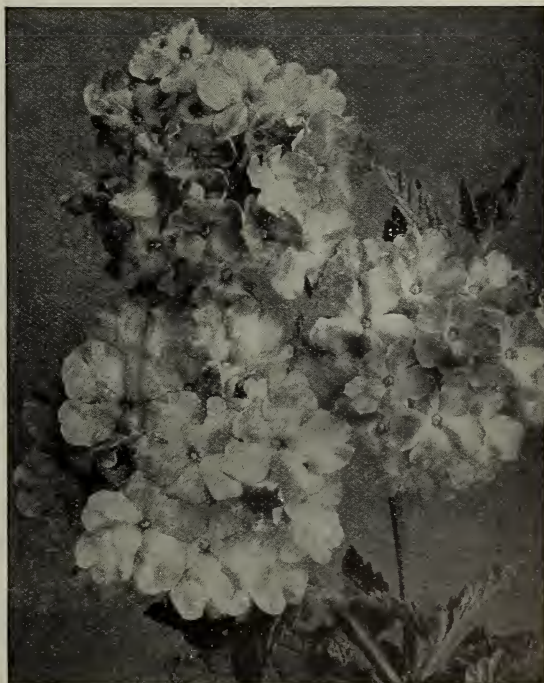
S. & W. Co.'s Mammoth Mixed. Care has been taken to have this mammoth strain of Verbenas the finest procurable. Large flowers of brilliant and Pkt. Oz.
 varied colors. Pkt. \$0 10 \$2 00
S. & W. Co.'s Mammoth Defiance. A deep, rich scarlet, very intense. Pkt. 10 2 00
S. & W. Co.'s Mammoth Blue. Deep blue. Pkt. 10 2 00
S. & W. Co.'s Mammoth Pink. Deep pink. Pkt. 10 2 00
S. & W. Co.'s Mammoth White. Pure white. Pkt. 10 2 00
Lemon-scented (*Aloysia citrodora*). Pkt. 10 2 00
Venosa. A hardy perennial variety, with bright blue flowers. Pkt. 10 1 00
Mixed. This mixture does not have flowers quite so large as our Mammoth strain, but all colors are well represented. Pkt. 05 1 00
COLLECTION. 4 varieties Mammoth Verbenas. Pkt. 30 cts.

Viola (Tufted Pansies)

While the flowers of Tufted Pansies are not so large as the regular type, yet they bloom so freely that they are superior to Pansies where effect is wanted, the colors being particularly clear and distinct; they also bloom for a longer time. Seed sown in April produces flowering plants in June, and from then on until frost they are a sheet of bloom.

	Pkt.	Oz.
Cornuta, Admiration. Large; dark blue.	\$0 25	
" Purple Queen.	10	\$3 00
" Mauve Queen.	10	3 00
" alba. White.	10	2 50
" Papilio. Blue with dark eye.	10	2 50
" Perfection. Light blue; large-flowered.	10	2 50

VIOLET (*Viola odorata*). Single Sweet Violet. Pkt. 10 cts.
WAHLBERGIA grandiflora (Chinese Bellflower). A superb hardy perennial, bearing a profusion of large, bell-shaped, blue flowers from June to October. 2 to 3 feet. Pkt. Oz.
Grandiflora alba. White. Pkt. \$0 10 \$0 75
 " **caerulea plena.** Dark blue. Pkt. 10 75
 " **nana (Mariesi).** Dark blue. Pkt. 10 75
 " **nana alba.** White; dwarf. Pkt. 25



S. & W. Co.'s Mammoth-flowering Verbena

Wallflower

A very highly prized, old-fashioned plant, grown largely for its fragrance.

ANNUAL VARIETIES

	Pkt.	Oz.
Early Parisian. Light brown.....	\$0 10	\$0 50
Chamois	10	
Creamy White.....	10	
Yellow.....	10	
Yellow, with brown buds.....	10	
Annual Mixed	10	40
Single, Fine Mixed. Half-hardy perennial.....	10	
Double, Fine Mixed. Half-hardy perennial.....	10	

Winter-blooming Wallflower. *(Cheiranthus Kewensis)*. A

beautiful shade of yellow on opening of flower, gradually changing to orange or purple-violet. Pkt. 25 cts.

WHITLAVIA grandiflora. Hardy annuals, with numerous dark blue, bell-shaped flowers. Flowering from June to October. Pkt. 5 cts., oz. 30 cts.

Grandiflora alba. White. Pkt. 5 cts., oz. 30 cts.

ZINNIAS (Youth-and-Old-Age)

Well-known favorites, suitable for every garden, blooming most profusely from July to frost. Hardy annual.

Giant Double-flowering. This Zinnia, featured also in the novelty section of our catalogue, is a wonderful improvement over the Dwarf Double-flowering for size of flower and general vigor of the plant. Trials of this Zinnia sowed in the open ground in April produced flowers 6 inches in diameter on plants 2 to 2½ feet high. A splendid companion to our Giant Double African Marigold listed on page 54 of our catalogue.

	Pkt.	Oz.
Tall Double Giant White.....	\$0 25	\$2 00
" " " Crimson.....	25	2 00
" " " Rose.....	25	2 00
" " " Scarlet.....	25	2 00
" " " Yellow.....	20	2 00
" " " Mixed.....	25	2 00
" " Flowering Mixed.....	10	1 00

Dwarf Double-flowering

Crimson.....	05	75
Flesh-color.....	05	75
Golden.....	05	75
Lemon-Yellow.....	05	75
Salmon-Rose.....	05	75
Scarlet.....	05	75
White.....	05	75
Finest Mixed.....	05	50



GIANT DOUBLE-FLOWERING ZINNIA

Zinnia Lilliput

Scarlet Gem. This variety forms a bush 1 foot in height, covered with miniature, very double flowers of intense scarlet.....	Pkt. 10	¼oz. \$0 25
Golden Gem	10	25
Lilac Gem	10	25
Orange Gem	10	25
White Gem	10	25
Finest Mixed	10	20
Haageana fl. pl. (Mexican Zinnia). A dwarf variety of deep orange-colored flowers.....	10	25
Curled and Crested. Large, double flowers, with petals twisted, curled and crested into the most fantastic and graceful forms. Usual range of colors.....	10	
Striped, or Zebra. Large, double flowers of orange, crimson, pink, yellow, white, etc., striped and blotched with different colors. Mixed colors.....	10	
Nana compacta, Miniature. Very pretty; fine for edging, being considerably smaller and the plants dwarf and compact.....	10	
Pumila. Very dwarf and growing very compact.....	10	
Queen Victoria. A very large-flowering sort of pure white, very double flowers fully measure 4 inches across.	15	1 00

A GOOD RULE TO FOLLOW

In selecting Stumpp & Walter Co.'s Sterling Seeds is to grow varieties listed in heavy type, and you will enjoy having the finest Flowers and Vegetables procurable.

REMEMBER we are also headquarters for this year's introductions in Dahlias and Gladiolus.

Ornamental Grasses

The annual varieties are principally grown for their beautiful flower panicles which when dried are very useful for bouquet work. Perennial varieties are very valuable for borders or massed between shrubs or on the open lawn. Many of the varieties listed below have beautiful variegated foliage and, when planted as indicated above, they are most effective and pleasing.

Annuals, except where otherwise stated. Sow outside in May, transplant or thin out when large enough to handle. If grasses are cut before they are ripe, they will keep for a long period.



A bed of Ornamental Grasses

AGROSTIS nebulosa. Annual. A very beautiful variety. Pkt. 10 cts.

Pulchella. A very striking sort. Pkt. 10 cts.

ANTHOXANTHUM gracile. Annual. Useful for edging. Pkt. 10 cts.

BRIZA compacta. Very pretty annual. 18 inches. Pkt. 10 cts.

Geniculata. Very pretty annual. 18 inches. Pkt. 5 cts., oz. 40c.

Gracilis. Very pretty annual for bouquets. 12 inches. Pkt. 5 cts.

Maxima. Considered by many to be one of the best varieties for bouquet and dried flowers. Annual. 12 inches. Pkt. 10 cts., oz. 50 cts.

BROMUS brizaeformis. Large drooping panicles, useful for bouquets. Annual. 2 feet. Pkt. 10 cts.

COIX lachryma (Job's Tears). A strong broad-leaved grass with large shining pearly seeds. Annual. 3 feet. Pkt. 5 cts.

ERIANTHUS Ravennae. A hardy perennial grass resembling the Pampas, with beautiful foliage and fine silvery plumes; excellent for lawn specimens. Blooms first year from seed if sown early. Pkt. 10 cts.

COLLECTION. 12 distinct varieties of Ornamental Grasses \$1 00
6 distinct varieties of Ornamental Grasses 50

LAGURUS ovatus. Hardy annual, with silvery gray tufts. 1 foot. Pkt. 10 cts.

PENNISETUM longistylum. An annual grass with gracefully drooping heads. 2 feet. Pkt. 10 cts.

Ruppellianum. The foliage is long and slender, gracefully recurved and glossy deep green in color. If sown in March in heat, the plants should bloom by the middle of July, and the silvery plumes, tinted with violet-purple, waving in the sunlight, are exquisitely beautiful; hardy perennial. 3 feet. Pkt. 10 cts.

STIPA elegantissima. Perennial. Pkt. 10 cts.

Pennata (Feather Grass). With silvery white feathery plumes. Pkt. 10 cts.

SETARIA macrochaeta. Drooping plumes of graceful appearance. Annual. Pkt. 10 cts.

UNIOLA latifolia. Perennial; very pretty. Pkt. 10 cts.

ZEJA Japonica. Striped maize. Pkt. 10 cts.

TALL MIXED. Pkt. 5 cts.

DWARF MIXED. Pkt. 5 cts.

ERAGROSTIS elegans (Love Grass). Annual. 1 foot. Pkt. 10 cts.

EULALIA Japonica foliis vitatis. A very beautiful perennial variety used for forming large clumps. Leaves dark green, striped white. 4 feet. Pkt. 10 cts.

Zebrina (Zebra Grass). A very striking variety, very extensively used, where an attractive variegated variety is wanted. 4 feet. Pkt. 10 cts.

GYNERIUM argenteum (Pampas Grass). Perennial, with magnificent silvery plumes. 6 feet. Pkt. 10 cts.

Jubatum. Panicles silvery rose. Pkt. 10 cts.

HORDEUM jubatum (Squirrel Tail Grass). Annual, used for bouquets. 2 feet. Pkt. 10 cts.

ISOLEPIS gracilis. Graceful dwarf grass for pots. Pkt. 10c.

Everlasting Flowers

The following list of Everlastings are annuals, except where noted. Sow outside in May and thin out to six inches.

ACROCLINIUM. Hardy annual. Good for cutting. Double Rose, White or Mixed. Pkt. 5 cts.

GLOBE AMARANTH (Gomphrena). Sometimes called "Bachelor's Buttons." Popular bedding plants; flowers resemble clover heads and can be dried and used in winter bouquets. Orange, Rose, White, Purple or Mixed. Pkt. 5 cts., oz. 30 cts.

HELICHRYSUM (Straw Flower). One of the best and most popular of the "Everlastings." Very effective double flowers, making a fine display in beds or borders. To produce excellent plants thin out to 2 feet.

Monstrosum. Double Yellow, White, Rose, Scarlet or Mixed. Pkt. 10 cts.

RHODANTHE. Very beautiful delicate looking "Everlastings" much prized for winter bouquets.

Maculata. White, Rose or Mixed. Pkt. 10 cts.

STATICE (Sea Lavender). Splendid hardy perennials, either for the border or rockery, producing all summer panicles of minute flowers, which can be dried and used for winter bouquets. Mixed varieties. Pkt. 10 cts.

XERANTHEMUM annuum (Immortelle). Grows about 3 feet high, and can be sown in the open ground early in May, growing readily in any open, sunny position, remaining in bloom from early summer until frost, bearing an abundance of Rose, Purple and White flowers. Selected mixed pkt. 10 cts.

Ornamental Beets

Beets that have no tubers, but with handsome ornamental foliage of very rich colors. Very effective in center of beds, or anywhere in contrast with other plants.

BRAZILIAN. Golden-leaved, scarlet veined and crimson veined. Pkt. 5 cts., oz. 25 cts.

DELL'S CRIMSON. A small compact-growing variety, with deep bronze purple foliage. Pkt. 10 cts., oz. 25 cts.

STAIGREEN LAWN SEED



HOW ABOUT YOUR LAWN ?

25-Pound versus 14-Pound LAWN SEED

Many low-price Grass Seed mixtures weigh only 14 pounds per bushel. This indicates either a good proportion of chaff or some of the real good varieties in the rough state, not properly cleansed so as to leave only the vital part and less of the chaff or shell.

In other words, so many less seeds to the quart or pound that will germinate and grow real grass.

Why Not Buy the Re-cleaned Kind?

A mixture of grasses weighing 25 pounds per bushel, of high germination and purity, permanent in nature, the varieties carefully proportioned so that they will succeed one another in brightness of foliage, with the result that the lawn, even in its first year, will have a bright, rich green color from early spring until covered by snow.

Stumpp & Walter Co

One Pound will Sow a
Plot 20 x 20 feet
Sow 80 Pounds to the
Acre

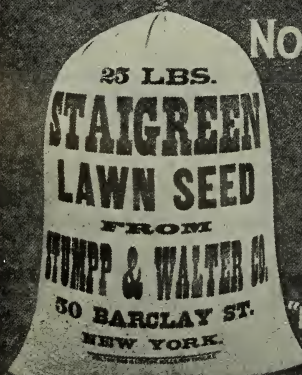
30 and 32 Barclay St.
New York

NOT HOW CHEAP, BUT HOW GOOD

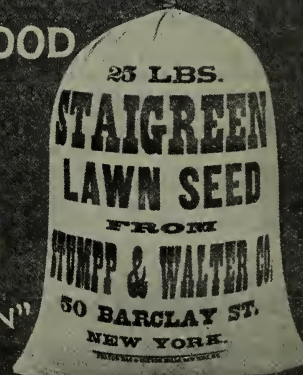
DELIVERED ANYWHERE IN UNITED STATES

Pound	5 Pounds	25 Pounds	100 Pounds
40 cts.	\$1.75	\$8.00	\$30.00

DELIVERED ANYWHERE IN UNITED STATES



"HOW TO BUILD A PERMANENT LAWN"
PAMPHLET FREE IN EVERY BAG



STUMPP & WALTER CO.'S STERLING SEEDS

HIGH-GRADE LAWN SEED

WEIGHS 22 POUNDS PER BUSHEL

Our High-Grade Lawn Seed is composed of the finest re-cleaned grasses, care being taken to include various varieties of grasses of the highest purity and germination, and is entirely free from weeds and all foreign matter.

The varieties are carefully proportioned so that they will succeed one another and give the lawn that much desired green, velvety appearance throughout the summer. The remarkably heavy demand for our lawn seed this past year proves the quality.

One quart will sow 15 x 15 feet, or 225 square feet; four bushels to the acre—for renovating old lawns, two bushels. **Qt. 25 cts., 4 qts. 85 cts., 8 qts. \$1.50, bus. \$5, 10 bus. \$45.**

Terrace Sod Lawn Seed

To Grass a Bank or Terrace. For each square rod take two quarts of lawn grass seed and mix it thoroughly with 6 cubic feet of good, dry garden loam. Place it in a tub, and add liquid manure, diluted with about two-thirds of water, so as to bring the whole to the consistency of mortar. The slope must be made perfectly smooth, and then well watered, after which the paste should be applied, and made as even and thin as possible.

A special mixture of grasses best suited for sowing on terraces and side hills—grasses that produce strong, spreading roots, thus preventing heavy rains from washing them out, that will withstand drought and exposure, thrive on shallow soils, and at the same time produce a rich, green turf throughout the season. **Qt. 35 cts., 4 qts. \$1, 8 qts. \$1.75, bus. (20 lbs.) \$6.**



Stumpp & Walter Co.'s Shady Place Lawn Seed

SHADY PLACE LAWN SEED

There is nothing more annoying in caring for a lawn than the bare, unsightly spots under the trees, shrubs, etc., and invariably all efforts have failed to get the grass to grow in such places; but, by sowing this mixture, the difficulties will be overcome. It is a combination of dwarf-growing varieties which will do well in all shaded places, being found in their natural state in woods and other sheltered spots. **Qt. 35 cts., 4 qts. \$1, 8 qts. \$1.75, bus. (20 lbs.) \$6.**



Deep Dark Green Even Putting Greens

Accomplished by the sowing of the proper varieties of grasses in a mixture of seed with a known purity and germination; the varieties carefully proportioned to suit climate and soil conditions

Grasses for Golf-Courses

When you buy Grass Seed for golf-courses, either for putting-greens, fair-greens, or outlying grounds, great care must be taken to select only such seeds as will do best for the purpose.

First.—See that you get the proper varieties, for very often grasses are sometimes used that are not fit to make the proper sod. This means disappointment in appearance, and endless work in trying to rid the greens of such grasses.

Second.—The quality of the seed. This should always be bought with the known germination and purity.

Third.—If your soil is sandy, clayey, moist or dry, this all makes a difference; and where seeding is done, it is always best to have only such grasses in the mixture as will give the best satisfaction. This information can always be obtained by consulting us.

Our Grass Seed Department is second to none; we always have in great quantities such valuable Grasses as Creeping Bent, Rhode Island Bent, Red Fescue, and all other varieties of Grass Seeds that are generally used on golf-courses, whether for putting-greens, fair-greens, or outlying grounds.

Putting-Green Mixture

Composed of Creeping Bent, Rhode Island Bent, Red Top Re-cleaned, Fine-leaved Sheep Fescue, all of the very highest purity and germination. If for new work, or where the entire seeding of all greens is required, it would be best to consult us, and have us suggest the formula for the soil and location. Qt. 30 cts., 4 qts. \$1.10, 8 qts. \$2, bus. (25 lbs.) \$7.50, 10 bus. (250 lbs.) \$75.

Fair-Green Mixture

The best-balanced, finest selection of Grasses, that will give an even, tough and lasting turf. We can supply a general good mixture that we know will give good satisfaction; but in cases when a lot of seeding is to be done we should like to supply a special formula, according to the requirements of the soil. Qt. 20 cts., pk. \$1.25, bus. (20 lbs.) \$4.50, 10 bus. (200 lbs.) \$42.50, 50 bus. or over, \$4 per bus.



GRASS MIXTURES FOR HAY AND PERMANENT PASTURE

For every different kind and condition of soil there are a large number of grasses, either indigenous or introduced, which are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early and others so late that from the beginning of spring until winter sets in there is no time when one species or another is not at its best. From these considerations, the importance of sowing many varieties for pasture and meadow purposes will be apparent, consisting of the following varieties: Orchard Grass, Meadow Foxtail, Sheep's Fescue, Rhode Island or Creeping Bent, Hard Fescue, Sweet-scented Vernal (True Perennial), Meadow Fescue, English Rye Grass, Italian Rye Grass, Red Top, Timothy, Red and Alsike Clover, blended in proportions which we have found, from actual use, give the most satisfactory results.

On ordinarily fertile soil 80 pounds of this mixture are sufficient to seed an acre, but where the land is poor a larger quantity will be necessary.

For Hay and Permanent Pasture for Light Soils.

For Hay and Permanent Pasture for Medium Soils.

For Hay and Permanent Pasture for Heavy Soils.

For Orchard and Shady Places.

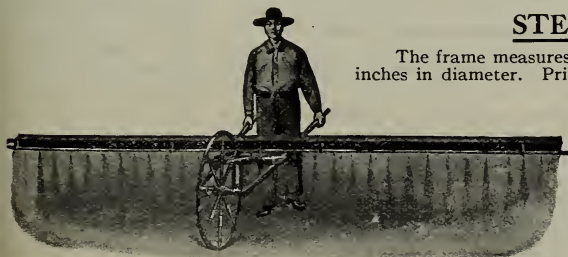
For Hay only. Specially recommended for large hay crop.

For Pasture Only. Will stand close cropping without injury.

10 lbs. \$2.50, 100 lbs. \$20

STEEL DISC SMOOTHING HARROW

The frame measures 6 feet 8 inches by 6 feet, and has four sets of rollers, having 58 discs, 8 inches in diameter. Price \$22; one-horse size, \$21.25. See illustration, page 121.



S. & W. Co.'s Wheelbarrow Grass Seeder

S. & W. CO.'S WHEELBARROW GRASS SEEDERS

(Weight, 45 to 50 pounds.)

On the market over thirty years and over 200,000 sold. For sowing all kinds of grass seeds broadcast, clover, timothy, alfalfa, Hungarian millet, rape and all small seeds. Also all chaffy seeds like red top, orchard grass, and clean blue grass, bent grass, any quantity per acre desired. They are no experiment, and are guaranteed to do an even, accurate, first-class job of seeding. Price (14 feet sowing area) \$12.



Japanese or Barnyard Millet (*Panicum Crus-galli*)



Timothy (*Phleum pratense*)



Red Top, Fancy (*Agrostis vulgaris*)

GENERAL LIST OF GRASSES

	Lbs. per bus.	Per lb.	10 lbs.	100 lbs.
Bermuda Grass (<i>Cynodon dactylon</i>). Valuable in the South for lawns.....	36	\$1 25	\$10 00	\$90 00
Canadian Blue Grass. Resembles somewhat the Kentucky Blue Grass, but is not of so good quality. It is grown very extensively in Canada and some parts of the United States. It will thrive even on hard clay soils and, having an extended root development, forms a heavy turf. Grows from 1 to 2 feet high.....	18	20	1 75	14 00
Creeping Bent (True) (<i>Agrostis stolonifera</i>). This is our very best grass for putting-greens, being hardy, and the creeping habit of its roots, constantly adding to the size of its plant, forms the closest mat, will stand severe rolling and constant cutting. Should be in all lawn mixtures, but on account of its very high price, is rarely used. Our seed of this very valuable grass is of the highest germination and purity.....	20	45	4 00	35 00
Crested Dog's-tail (<i>Cynosurus cristatus</i>). An excellent grass for hard, dry soils; valuable for lawns in mixture.....	30	35	3 25	30 00
English Rye (<i>Lolium perenne</i>). This grass is considered invaluable for permanent pastures. It produces an abundance of remarkably fine foliage, tillers out close to the ground and soon forms a compact sward. After being cut it grows up in a very short time and remains bright and green throughout the season; it should be used where quick growth is desired, but not entirely where a fine work is required. It is also a good variety for hay if cut when in blossom, as it is then most nutritious; if cut much later, it becomes woody. It flourishes best in situations not too dry or subject to droughts. Sow (if alone) $2\frac{1}{2}$ to 3 bushels per acre.....	24	12	1 00	9 00
English Rye (<i>Lolium perenne</i>). Pacey's Strain. Used the same as English Rye, but the seed is shorter grained, and claimed by some to be more hardy than English Rye.....	24	15	1 35	12 00
Fine-leaved Sheep Fescue (<i>Festuca ovina angustifolia</i>). A very good grass to go in mixtures for lawns. Inclined to burn the first season, but soon recovers and makes a very good turf the second year.....	22	50	4 50	40 00
Hard Fescue (<i>Festuca duriuscula</i>). A good grass for lawns and grazing pastures, where the soil is poor and dry.....	20	35	3 00	25 00
Italian Rye (<i>Lolium Italicum</i>). For quick growth, and to assist other grasses during the first year; used in pasture mixtures in small quantities only.....	22	12	1 00	9 00
Kentucky Blue Grass. This makes the best, sweetest and most nutritious pasture for all kinds of stock. Kentucky has long been famous for its high-bred horses and its Blue Grass pastures. It is now possible to establish on almost any farm a Blue Grass pasture of greenest verdure which will give very profitable returns. This grass is the first to start up in the spring and remains green until snow flies in the fall. It is very hardy and is uninjured by cold or dry weather, hot sun or trampling of hoofs. The roots are so thick and stout that they form a tough sod. Blue Grass requires about two years to get well started and for that reason it is often sown in mixture with other grasses. It will do well on almost any land. Sometimes called "June Grass.".....	20	25	2 25	20 00

Prices on Grass and Clover seed subject to change without notice. Our Grass and Clover seeds are the very finest, purest re-cleaned seeds. We do not carry the cheaper grades.

STUMPP & WALTER CO.'S STERLING SEEDS

GENERAL LIST OF GRASSES, continued

	Lbs. per bus.	Per lb.	10 lbs.	100 lbs.
Meadow Fescue (<i>Festuca pratensis</i>). One of the best grasses for permanent pastures; yields an abundance of fodder of great nutritive value. Much liked by all kinds of stock.....	27	\$0 35	\$3 00	\$25 00
Meadow Foxtail (<i>Alopecurus pratensis</i>). One of the most valuable varieties for permanent pastures.	10	70	6 00	50 00
Orchard Grass (<i>Dactylis glomerata</i>). A valuable grass for shaded pastures, and should be in all pasture and hay mixtures.....	14	40	3 00	25 00
Red Fescue (<i>Festuca rubra</i>). New Zealand-grown. A partly creeping, tuft-forming grass; it thrives on all sorts of soil, even on dry, sandy bottoms, and forms a rather thickly covered turf, leaving very little room for weeds to come through. It is also valuable for shady places in lawns, and has been found to do well under the shade of pine trees.....	24	35	3 00	25 00
Red Top Fancy (<i>Agrostis vulgaris</i>). Also known as English Bent. This grass, while being valuable as a lawn grass, is not as permanent as the preceding two varieties, very often sold as Creeping and Rhode Island Bent by dealers who have not given the proper study to and interest in the different varieties. Our seed weighs 36 lbs. to the measured bushel, and has a purity of 95 per cent, and germination of 97 per cent, the very highest quality.....	36	40	3 50	32 00
Red Top, Unhulled (<i>Agrostis vulgaris</i>). Choice. This seed is the same as the preceding variety, but is the natural seed as harvested, without being machined to remove the hulls, and is recommended for large seedings and mixtures. This seed rarely germinates more than 60 per cent, and our stock is always of the very highest quality.....	18	25	2 00	18 00
Rhode Island Bent (<i>Agrostis canina</i>). Except that this variety is of a more tuft-forming habit, it is very similar to the Creeping Bent. It is very difficult to find true Canina, and very often the ordinary Red Top is used for it. Our experience has been, that to get the very best seed of this variety is to import it from Europe. The seed that we offer has a purity of 70 per cent, and germination of 80 per cent. This is the finest obtainable.....	18	45	4 00	35 00
Rough-stalked Meadow Grass (<i>Poa trivialis</i>). One of the best grasses for hay and permanent pasture mixtures.....	26	55	5 00	45 00
Sheep, or English Fescue (<i>Festuca ovina</i>). For good upland or dry pastures, a large portion of this grass should be included in the mixture, especially if it is used for sheep grazing, as it is greatly relished by them. The Tartars generally pitched their tents in proximity to this grass on account of its value to their herds. It is short and dense in growth, and its excellent nutritive qualities more than counterbalance its slight deficiency in quantity. Its fine foliage and compact habit render it desirable for lawn mixtures. Sow (if alone) 2½ bushels per acre.....	16	40	3 50	30 00
Sweet Vernal, True (<i>Anthoxanthum odoratum</i>). For field mixtures.....	10	70	6 50	60 00
Tall Fescue (<i>Festuca elatior</i>). True Rhenish. It is one of the most valuable grasses to go in mixtures for hay.....	22	40	3 50	30 00
Tall Oat Grass (<i>Avena elatior</i>). A valuable grass for hay and permanent pasture mixtures.....	14	35	3 00	25 00
Timothy . As a crop for hay, Timothy is probably unsurpassed by any other grass. It is greatly relished by all kinds of stock, especially horses. It yields more nutritive matter than any other grass or forage plant. It is not suited for a permanent pasture as it will in the course of a few years, run out. It is, however, well adapted to early spring grazing as it starts up quickly in the spring, and in favorable fall weather can be pastured in the autumn as well. The largest crops of hay are raised on rich land. It is not suited for light, sandy soil so well as some other grasses. The most important point in the growing of Timothy is the selection of good seed. Poor seed, besides containing weed seed, will not all grow. That which does germinate is weak and produces few stalks and seed heads.....	45	15	1 20	10 00
Various-leaved Fescue (<i>Festuca heterophylla</i>). An even, tuft-forming grass; does well on light soils. It is a very good grass for lawns, for which its fine, brush-like bottom leaves makes it exceedingly fit.....	15	45	4 00	35 00
Wood Meadow Grass (<i>Poa nemoralis</i>). This grass is now classed among our good "shaded pasture grasses" and furnishes a fine, succulent and nutritive herbage which is very much relished by cattle. It is splendidly adapted for moist, shady places, and should be included in all mixtures for permanent pastures and lawns for moist soils. It is particularly valuable for lawns overshadowed by trees. It produces a much thicker growth than either <i>Poa pratensis</i> or <i>Poa trivialis</i> . Sow (if alone) 2 bushels per acre.....	20	60	5 00	40 00
Yellow Oat Grass (<i>Avena flavescens</i>).....	14	1 00	9 00	85 00

SPECIAL NOTICE. The Grass Seed problem, whether applied to the farm or lawn, is one that can only be rightly solved when the grower fully takes into consideration four essential details: SEED, SOIL, LOCATION and CLIMATE. Our Lawn Mixtures are prepared with a thorough knowledge of the grasses indigenous to most soils within 1,000 miles of New York. Our STAIGREEN is strictly our best mixture; our GOLF MIXTURES for putting-greens or fair-ways; our TERRACE SOD, SHADY PLACE, and HAY and PERMANENT PASTURE MIXTURES are composed of grasses of the highest germination and purity, and are all prepared by an expert who has made a life-study and a hobby of this particular branch of our business. Advice regarding mixtures for special locations freely given on request.

All our seeds are carefully examined as to purity and growth in our own laboratory and tested by the leading Seed Testing Stations, such as Zurich (Switzerland), Hamburg (Germany), Paris (France), Washington, D. C.

The percentages of purity and growth are determined before we send out any seeds of any description from our establishment, and, in comparing prices, remember that we will furnish, on application, the percentage of purity and growth. We have only seeds of the very best quality.

Medium Red Clover

(*Trifolium pratense*)

This is regarded as the most valuable of the Clover family. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed, cut for hay, or plowed under to add fertility to the soil. It may be sown either in the spring or fall, and if no other grasses are used, at the rate of from eight to twelve pounds to the acre, according to quality of seed used and condition of the soil. Clover adds greatly to the fertility of the land on which it is grown. It does not exhaust the soil, but enriches it. It pays always to buy the best grade of Clover seed which can be obtained. Even though the first cost is twice as much as cheaper seed, it will be found in the long run that inferior seed is the most expensive, not only on account of less hay or seed being produced from it, but from the fact that one's land becomes infested with weed seeds, which decrease the value of the land on which they are growing. Lb. 30 cts., 10 lbs. \$2.50, 100 lbs. \$20.

Mammoth Red Clover

(*Trifolium pratense perenne*)

Cow Grass, or Pea-Vine Clover. Grows larger and lasts longer than the preceding variety, and by some is considered superior to it for forage. Valuable for reclaiming exhausted land by plowing under as green manure. It is perennial in its character and harder than the medium. Sow 10 to 15 pounds to the acre. Extra-large, plump seed. Lb. 40 cts., 10 lbs. \$3.50, 100 lbs. \$32.50.



Medium Red Clover

White Dutch Clover

(*Trifolium repens*)

The best variety for lawns, as it forms a close herbage and remains green throughout the season. Lb. 45 cts., 10 lbs. \$4.25, 100 lbs. \$40.

Alfalfa, or Lucerne

(*Medicago sativa*) Montana-Grown

Montana produces a very fine grade of Alfalfa. The seed is usually exceptionally large and of high germination. Montana-grown Alfalfa is extremely hardy, and we prefer it to seed from any other locality. Our seed is obtained in those sections where plants have endured the extreme cold of winter and thrive in high altitudes. For our grade we obtain the plumpest and finest-colored seed grown. This seed is selected from the best seed produced. We shall be glad to send a sample to any one about to purchase. When writing for sample, state quantity of seed you wish to buy. The demand for Alfalfa has been increasing from year to year and our present supply of this grade probably will not nearly fill the orders we will receive for it this season. It is desirable, therefore, that orders be sent in promptly. Sow thirty pounds to acre. Weighs sixty pounds to the bushel. Lb. 30 cts., 10 lbs. \$2.75, 100 lbs. \$25.

Alsike, or Swedish Clover

This is one of the hardest varieties known. It is perennial and does not winter-kill. It will do better on moist land than any other variety of Clover, and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with Medium Red Clover and with Timothy, and the quality of hay thus produced is excellent. It is finer and more leafy than Medium Clover, although it does not grow so high. It is very fine for honey bees, and cattle prefer it to other Clovers. Lb. 35 cts., 10 lbs. \$3.25, 100 lbs. \$30.

Crimson or Scarlet Clover

(*Trifolium incarnatum*)

It can be seeded at any time from June to October, at the rate of fifteen to twenty pounds to the acre, and makes the earliest possible spring pasture, blooming the latter part of April or May, and for feeding as hay, should be cut just before coming into full bloom. Sow Crimson Clover at the last working of all crops, like beans, corn, melons, cucumbers, tomatoes and other crops. Lb. 15 cts., 10 lbs. \$1.20, 100 lbs. \$10.

White Bokhara or Sweet Clover

(*Melilotus alba*)

This is sown and used quite largely in some sections as a forage and soil-improving crop, and is particularly valuable for thin lands or to sow on hillsides that are liable to wash or gully, and it also gives the inoculation necessary for the best success with alfalfa. For feed or forage it should be cut when quite young, for when it gets old cattle do not relish it, and it is not of very high nutritive value. It is also largely used for sowing for bees.

Farmers are sowing this Clover to quite a considerable extent on light, sandy land, where other Clovers do not take well. They hope, by sowing this Bokhara Clover, to get a good growth to turn under to improve the land, and also to inoculate the soil so that it will produce good crops of Crimson Clover and Alfalfa from seedings of these to follow the Bokhara. Lb. 25 cts., 10 lbs. \$2.25, 100 lbs. \$20.

Yellow Bokhara

A productive and popular type of the Sweet Clover, having yellow blossom instead of white. Lb. 25 cts., 10 lbs. \$2.25, 100 lbs. \$20.



A part of the 300 acres of Alfalfa on the Walker-Gordon Farm at Plainsboro, N. J. Farmogerm used here for many years.

To Build Up Worn Soils, Increase Crops and Reduce Fertilizer Expense

The growing of legume crops for soil-enrichment is advocated by Agricultural Experts and Experiment Stations everywhere. The great fertilizer value of legumes depends entirely upon perfect inoculation. You can secure satisfactory results only by the use of Farmogerm inoculation, which has been practically tested for years and its efficiency proven and recognized the world over.

TRADE

FARMOGERM

MARK

THE STANDARD SEED INOCULATION

It is delivered in bottles ready for use. The seed for ten acres can be perfectly inoculated in ten minutes. Our customers who have used Farmogerm in past years strongly endorse it and we recommend every planter of legume seeds to



Nitrate sacks on the roots of Cowpeas. This fertilizer value is the result of the use of Farmogerm

Use It On
Alfalfa
Peas
Clover
Beans
Cowpeas
Vetch
Soja Beans

Not only will the crops be larger and richer but the soil will be plentifully supplied with nitrates for next year's crops. Further particulars upon application.

Regular Farm Size or
5-Acre.....\$9 00
Farm Trial Size or
1-Acre 2 00
Garden Size or $\frac{1}{4}$ -acre. 50



Inoculation makes a larger, richer crop and improves the soil. Results are certain by using Farmogerm

FIELD CORN

Sow one peck to acre
in early May

New Golden Eureka Dent Corn

This magnificent Corn is a decided improvement on the very popular variety, Eureka. It is fully ten days earlier. Ears measure 12 inches in length and contain from 18 to 22 rows of beautiful, deep yellow grains. Deep grains and very small cob. Seventy pounds of ears will yield 60½ pounds of corn. Will yield 100 bushels to the acre, having done better than this by the originator this past fall. A very fine variety for ensilage and will produce 25 tons good Corn silage per acre. Selected grains, qt. 25 cts., postpaid, 40 cts.; pk. \$1, bus. \$2.50, 10-bus. lots, \$2.25 per bus.

Longfellow Flint Corn

This beautiful eight-rowed flint often yields two good ears to the stalk. The ears are very long, sometimes reaching the length of 15 inches. Cobs are small, with kernels of good size. It is safe for planting as far north as Massachusetts. Our stock of seed is of the best possible selection and has given a yield, this past season, of over 100 bushels to the acre. Selected stock, qt. 25 cts., postpaid 40 cts.; pk. \$1, bus. \$2.50, 10-bus. lots, \$2.25 per bus.

Wood's Northern White Dent. The earliest large White Dent Corn ripens thoroughly around New York and vicinity. Very prolific, often yielding 100 bushels shelled corn to the acre. Ears 12 inches long and 7 or 8 inches in circumference. The kernels are long and the cob is small; ears start 2 to 3 feet from the ground; plant leafy and luxuriant, making fine fodder. Our grower, on Long Island, who raises our crop of this, the best of all the White Dent Corns, states that it is the best and most profitable Corn he has ever grown. Qt. 20 cts., pk. 80 cts., bus. \$2.50, 10-bus. lots, \$2.25 per bus.

S. & W. Co.'s White Flint. We have had many inquiries in the past for a White Flint, but have never before been able to offer it, as it has always been a difficult matter to get hold of good seed. The ears are very long, 12 to 15 inches, of handsome appearance, with large kernels of a transparent white. The stalks are very leafy and the Corn is also very productive, with usually two or three ears on a stalk. Qt. 15 cts., pk. 75 cts., bus. \$2.50, 10-bus. lots, \$2.25 per bus.

Improved Leaming. This popular and distinct variety of Yellow Dent Corn certainly has, beyond question, reached the grandest success of any Yellow Dent Corn that has ever been brought before the farming public. This Corn husks and shells very easily, and weighs 60 to 62 pounds per measured bushel, and matures in 90 to 120 days. Qt. 15 cts., pk. 75 cts., bus. \$2; 10-bus. lots, \$1.90 per bus.

Improved Early Horsetooth. Same as Southern Horsetooth, but better selected and earlier. Qt. 20 cts., bus. \$1.75, 10-bus. lots, \$1.70 per bus.

Evergreen Fodder Corn. For soiling or ensilage. Profitable as green fodder; cut when green to feed cattle. Sow broadcast two bushels. In drills 3 feet apart, one bushel per acre. Pk. \$1, bus. \$2.90, 10-bus. lots, \$2.80 per bus.

Pride of the North. The very earliest Yellow Dent Field Corn in cultivation, and can be successfully grown farther North than any other Dent variety. Ripens readily even in New England. Matures perfectly in 90 days and is very frequently safe from frost in 75 days. Very-hardy, ears of uniform size; too small for a main crop, but right size for stock feeding; cob small, kernels set closely on cob and are long and compact. This variety is planted quite largely for early crop to feed stock while yet green; and is also planted late when larger varieties could not possibly mature before the frosts. Qt. 15 cts., pk. 75 cts., bus. \$2.50.

Pop Corn

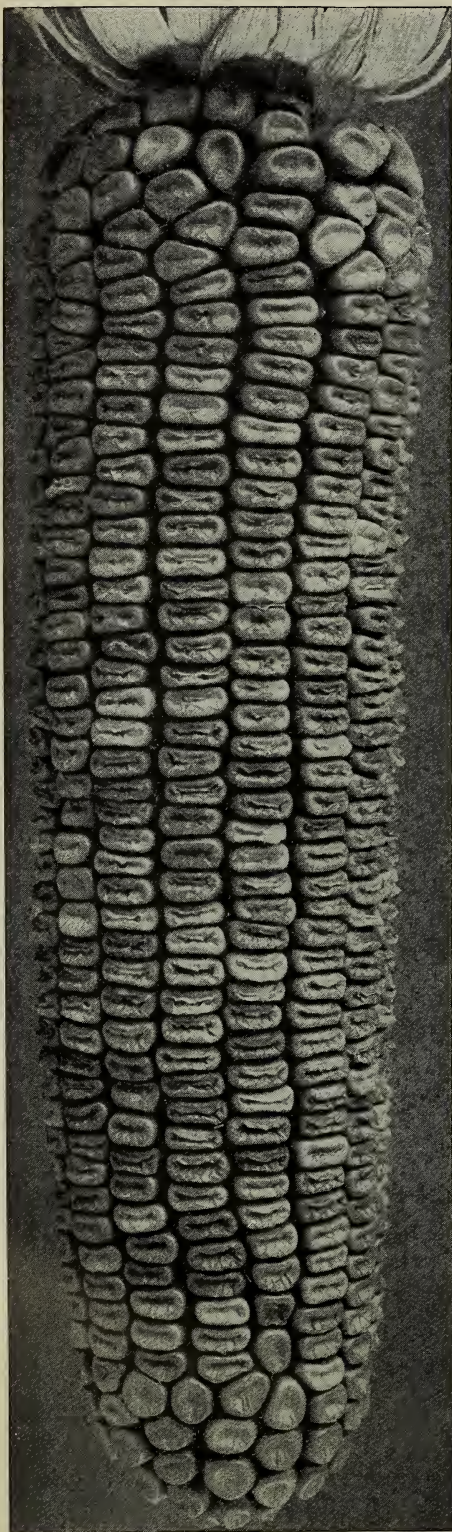
There are two distinct types of Pop Corn, Rice and Pearl. The White Rice is usually grown for commercial purposes, about four pounds being required to plant an acre. Hardy from Canada south. If desired by mail, add 8 cts. per lb.

White Pearl. Smooth-grained ears, 4 to 5 inches long, by 7/8 to 1 1/8 inches in diameter; good for either family or market use. Lb. 10 cts., 100 lbs. \$8.

White Rice (Rat-tooth). A very fine white variety; ears 4 to 5 inches in length, and 1 to 1 1/2 inches in diameter. Kernel pointed. Lb. 10 cts., 100 lbs. \$8.

Kaffir Corn, Red

Excellent forage for horses and cattle, and excellent food for poultry. Use 5 pounds per acre. Bus. (60 lbs.) \$3.75, 100 lbs. \$6.



Golden Eureka Dent Corn

SOY BEANS

Soy Beans have become an important crop in only a few localities in the United States, but in cases where farmers have learned how to utilize them to best advantage they have proved to be a crop of high value. They are especially valuable for mixing with corn for silage, for the production of hay, and for use as pasture, especially for hogs. They possess an advantage over cowpeas in that the growth is erect, and they are therefore easily harvested. Some of the taller sorts may be harvested with an ordinary grain binder. They are also valuable as a crop for plowing under for green manure, to add humus and nitrogen to the soil. They can also be planted with cowpeas, on account of their erect growth. They support the vines of cowpeas.

During the past year they have been grown with success on many of the farms in New Jersey and New York. Planted the latter part of May in the latitude of New York the Beans are ready for harvesting in 100 days. Planted in rows $2\frac{1}{2}$ feet apart, 6 to 8 plants to the foot of row, requiring three pecks to the acre, they yield fifteen to twenty tons of fodder.

	Qt.	Pk.	Bus.
Mammoth Yellow Soy Beans	\$0 20	\$1 25	\$3 50
Early Green Soy Beans	25	1 50	5 00

CANADA FIELD PEAS

"Peas could be made to bring more nitrogen to the soils of this country every year than is now purchased annually by the farmers at the cost of millions of dollars."—Year-book of the U. S. Department of Agriculture.

The above statement, coming as it does from a reliable source, gives the progressive farmers of this great country something to think about. Grain has been grown year after year on many farms, sapping the life and fertility of the soil. Here is a crop which is not only profitable, but will return to the land the much-needed nitrogen. Peas are second only to Clover in their soil-enriching properties and can be grown under almost any condition of soil or climate. There is always a ready market for Peas, or they can be profitably ground and fed to stock. The vines make rich, nutritious hay. If fed to milch cows, when in a green state, pods, vines and all, the flow of milk will be almost doubled.

Peas are a paying crop and can be profitably planted in many ways.

First.—When sown alone about three bushels are required to the acre. They can be matured and threshed when dry. The yield will vary from 30 to 60 bushels an acre.

Second.—Peas and oats are frequently sown together, using $1\frac{1}{2}$ bushels of Peas and 2 bushels of oats to acre. By so doing a double crop can be secured. They can be threshed at one time and readily separated in cleaning.

Third.—They can be sown alone or with oats and fed green. It is surprising the amount of fodder which is produced in this way. If sown together, the Peas should be sown first and plowed under about 4 inches deep; the oats may then be drilled in.

Fourth.—For plowing under when Peas and oats are sown together and each are "in milk," they are nearly equal in value to clover, used in the same way, to enrich the soil.

Qt. 15 cts., pk. 75 cts., bus. \$2.60, 10 bus. \$2.40 per bus., 100 bus. or over \$2.25 per bus.

COWPEAS

Used for improvement of soils by plowing under; also makes valuable hay, when sown alone or with soy beans, during May, June and July, at the rate of two bushels to acre or one bushel of soy beans and one of Cowpeas, broadcast or in a wheat drill.

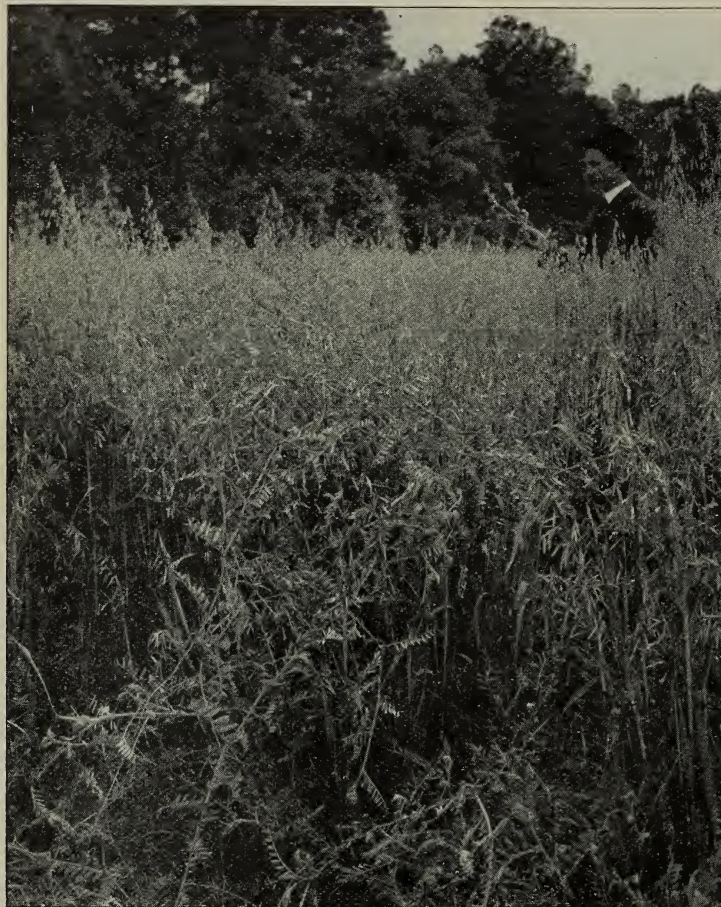
Black Eye. Large black-eye peas; make a profitable crop for picking the dry peas for sale in our markets during the winter. Qt. 20 cts., pk. \$1.25, bus. \$3.50, 10 bus. \$32.50.

New Era. The peas are dull lead-colored, not quite so large as Whippoorwill, but vine is somewhat stronger; earlier than other varieties. Qt. 20 cts., pk. \$1.25, bus. \$3.50, 10 bus. \$32.50.

Whippoorwill. An early, bunch-growing Pea; has brown-speckled seed. Qt. 20 cts., pk. \$1.25, bus. \$3.50, 10 bus. \$32.50.



Soy Beans



Sand or Winter Vetch and Oats Sown Together

VELVET BEAN (*Dolichos multiflora*)

Largely grown in the South and used as a fertilizing plant for turning under. Both vines and pods are eaten by live-stock, and the Beans can be ground either with or without the pods and fed instead of corn or oats, or can be mixed with them. Pk. \$1.50, bus. \$5.

DWARF ESSEX RAPE

The true Dwarf Essex Rape is valuable as a fattening food for pasturing sheep in autumn. It is particularly adapted as a "catch-crop," for it grows best late in the season. In the Northern States it can be sown at any time from May until the end of August, but in the Southern States it should not be sown until September or October, for winter pasture. Its fattening properties are said to be twice as good as clover. Sow ten to twelve pounds to the acre broadcast, or four to five pounds per acre in drills 15 inches apart. 10 cts. per lb., \$1 for 10 lbs., \$7 per 100 lbs.

SUNFLOWER, MAMMOTH RUSSIAN

Highly valued as an excellent and cheap food for fowls. It is the best egg-producing food known. It can be raised cheaper than corn. Four pounds of seed will plant an acre. Lb. 10 cts., 10 lbs. 75 cts., 100 lbs. \$6.

SAND or WINTER VETCH

Vicia villosa

Sometimes called Hairy Vetch. This is a very valuable forage plant, and is rapidly becoming more popular each year as the farmers of this country are learning more of its great value. It is very hardy, is valuable as a winter cover-crop to prevent leaching, and for forage and fertilizing purposes. It is an annual, but re-sows itself and will come up year after year on the same ground. It succeeds well on nearly all soils and thrives surprisingly on poor, light land, and will endure extremes of drought, heat and cold. It improves the soil, being a great nitrogen-gatherer. The roots bear innumerable nodules or nitrogen-gathering bacteria. These take the nitrogen from the air and restore it to the soil where it is so much needed. It belongs to the pea family, but the vines are much longer and the foliage is more abundant. It may be sown either in the spring or fall with about half a bushel of rye or oats for support. It grows rapidly and is particularly valuable in sections where clover does not thrive. In the North it remains green all winter under the snow, and it is invaluable for early pasturing or soiling. The Department of Agriculture estimates the value of an acre of this Vetch plowed under equal to commercial fertilizer at the rate of from \$16 to \$40 an acre. When sown in August or September it covers the ground before frost and prevents leaching of the soil during the winter and spring. When sown in April or May it can be cut in July, the second growth affording excellent pasture during the summer. The yield of green fodder is from twelve to twenty tons an acre. This may seem to be an exaggerated statement, but when the amazing stooiling propensities of this plant are taken into consideration the yield is readily accounted for. As many as twenty long vines spring from each root. When raised for hay it should be left standing until some seeds have become well formed. Not only does it produce an enormous amount of very valuable feed, but it at the same time restores to the soil a great amount of fertility which is so much needed. 1 to 1½ bushels of seed required to the acre. Weighs sixty pounds per bushel. If sown alone use 1½ bushels to acre, but is best if sown

1 bushel Vetch with ½ bushel oats, as per illustration. Lb. 12 cts., 10 lbs. \$1.10, 100 lbs. \$10. Bushel (60 lbs.) \$6.50.

Spring Vetch, or Tares (*Vicia sativa*)

Highly valuable for soiling or for green manuring. Sometimes grown with oats for mowing and feeding to stock. Use 2 or 3 bushels to acre broadcast, or 1 to 2 bushels in drills. Lb. 10 cts., postpaid, 18 cts.; bus. of 60 lbs. \$3.75, 100 lbs. \$5.50.

EARLY AMBER CANE

Most valuable for dairy cows. The leading dairy farmers of the Northwest generally regard sugar cane, or sorghum, as the best of all fodder plants today for their purpose. Sow any time from May 15 to July 15, 12 to 15 lbs. per acre, in rows, and cultivate the same as corn. Or, if sown broadcast, use 50 lbs. per acre. Lb. 15 cts., 10 lbs. \$1, 100 lbs. \$8.

HUNGARIAN MILLET

For good low grounds on rich soil, this makes even a more valuable crop than German Millet. It is considered equal in nutritious qualities to timothy hay. It is very important, in procuring Hungarian Millet, to get the true seed, as common Millet resembles it very closely, and is frequently found mixed with Hungarian. This lessens both the yield and the value of the crop. Sow from the first of May to the end of July at the rate of 1 bushel per acre. Qt. 15 cts., pk. 75 cts., bus. \$2.50.



Field of Storm King Oats

SEED OATS

For grain, $2\frac{1}{2}$ bushels to the acre; for forage, 3 bushels, or, with Canada Peas, 1 to $1\frac{1}{2}$ bushels

Sold at the standard weight of 32 pounds to the bushel. Several varieties of Oats offered below weigh up to 50 pounds to the measured bushel, but all Oats are purchased and sold at the standard weight of 32 pounds to the bushel.

Storm King. An exceptionally fine grade of the Long's Tartar. Kernels are large and plump. The straw is long and stout, and does not easily lodge. Heads are from 8 to $10\frac{1}{2}$ inches in length. Our grower in New Jersey reported a yield of over 100 bushels to the acre. Suitable for all soils. Note size of the grains in illustration above. 1 bus. (32 lbs.) \$2, 6-bus. lots or over, \$1.90 per bus.; 25-bus. lots or over, \$1.75 per bus.

Welcome Oats. One of the heaviest, handsomest and most productive white varieties grown. It stools heavily, with extra-strong, straight straw standing well. Succeeds well in a wide range of climate, and under a great variety of soils and methods of culture. Pk. 50 cts., bus. \$1.50, 10 bus. \$14, 100 bus. \$1.30 per bus.

Imported Clydesdale Oats. The most popular White Oat. We offer imported seed weighing 50 lbs. to the bushel. They yield 75 to 100 bushels of Oats to the acre, and double the quantity of straw. Pk. 75 cts., bus. \$2.50, 10-bus. lots \$2.25 per bus.

Svalof Victory. So called on account of their remarkable properties. The panicle is rather small, but dense and rich, with stiff branches; the spikelets are also rather small and short, as a rule, two-grained. The grain is white, sometimes of a slightly reddish shade, of medium size, short and broad, beardless or only slightly bearded. The straw is of medium height, firm and elastic; in fact, in this respect this great Oat is not surpassed by any other Svalof variety. It ripens medium early. Pk. 75 cts., bus. (32 lbs.) \$2.50, 10 bus. \$22.50.

Barley, Imported Hanua. A new variety of Barley recently introduced by the U. S. Dept. of Agriculture. It is spoken of as "the great favorite Barley among German and Austrian brewers." It is noted for its earliness and very plump kernels. It is a two-rowed Barley. Our stock is the imported extra-large grain and grown especially for seed purposes. Qt. 25c., pk. \$1.25, bus. \$3.50.

Beardless Spring. Its straw is good for green feed or when cured, as hay. The grain in the hull is excellent poultry-feed and with the hull removed is used in the household. It is a quick-growing crop and very nutritious. Sow broadcast $1\frac{1}{2}$ to 2 bushels to the acre from May 15 to July 1. Our seed stock is carefully selected and grown especially for us in Genesee County, New York. Makes better straw than the bearded, and will yield 50 bushels of grain to the acre. Qt. 20 cts., pk. 75 cts., bus. \$2.

Buckwheat, New Japanese. This is a superior variety and more prolific, and yields double the weight per acre of other sorts. The grains are nearly twice as large as those of Silver Hull, and of fine color. This variety is always in demand, millers preferring it to all other sorts, and it makes the finest flour. Sow about the middle of June, broadcast, 3 pecks to the acre. Pk. 60 cts., bus. \$2.

Japanese Barnyard Millet. This wonderful Millet yields possibly more fodder than any other forage plant that requires so little to sow an acre. Frequently as high as 12 tons of green food has been obtained from an acre. It is somewhat coarse in texture, growing sometimes as high as 8 feet; it is, however, ideal for silo or hay purposes; if sown early in May, it may be cut twice in one season. It branches out at the roots, and more than 12 lbs. per acre broadcast cannot be sown to advantage. Sow anywhere from May 1 to June 15. Lb. 15 cts., 10 lbs. \$1, 100 lbs. \$9.

Spring Wheat. A desirable crop to sow where fall-sown wheat has been killed by severe winter; the grain is very hard and of excellent milling quality. Macaroni is made from this variety. Our stock is grown in the extreme Northwest and is very fine.

Saskatchewan Fife. This is the favorite sort in this locality, and is used on account of its prolific, vigorous growth and early qualities. It often produces 50 bushels per acre. Sow in April or May, $1\frac{1}{2}$ to 2 bushels per acre, broadcast or in drills. Qt. 15 cts., pk. 65 cts., bus. \$2.50.

Spring Rye. Used as a catch crop to sow where winter grain has failed. Pk. 75 cts., bus. \$2.25, 5 bus. and over, \$2 per bus.

NEW AND CHOICE CANNAS

Our list of Canna roots or tubers comprises the best of recent introduction. Many of the older varieties that have been superseded are supplemented by a more modern kind in our list. Should our customers desire, however, to procure a particular variety, we can, doubtless, supply it. Shipments may be made any time after February 1, or, south of Washington, D. C., January 1. Growing plants of most varieties of Cannas may be had after May 1 at a slightly advanced price.



Gladioflora Canna

Five New Sorts

Gladioflora

Remarkable on account of the unusual shape of its flowers, which look like a gladiolus; crimson, changing to carmine-rose, with an irregular edge of gold. Height, 3½ feet. 15 cts. each, \$1.50 per doz., \$10 per 100.

Hungaria

The ideal pink bedder. Flowers large, in good trusses, color not unlike that of Paul Neyron rose. One of the best of the newer introductions. Height, 3½ feet. 25 cts. each, \$2.50 per doz., \$20 per 100.

Meteor

A vigorous grower, with healthy foliage. Each root usually produces five or six trusses of bloom, which continue flowering the entire summer. Color pleasing, deep crimson. 25 cts. each, \$2.50 per doz., \$20 per 100.

Mrs. Alfred F. Conard

A splendid new Canna. Its exquisite salmon-pink flowers are of largest size, in erect and abundantly furnished heads, so freely produced as to keep a superb showing for months above the rich green foliage. Grows 4 feet high. 25 cts. each, \$2.50 per doz., \$20 per 100.

Mrs. Karl Kelsey

Grows 6 to 7 feet high, with luxuriant foliage—green with a narrow edge of purple; erect, full heads of enormous flowers. The color is an orange-scarlet, flaked and striped with golden yellow, and the petals are wavy and edged. 15 cts. each, \$1.50 per doz., \$10 per 100.

COLLECTION: one each of five varieties, 75 cts.

Six Good Standard Sorts

Alsace. A beautiful creamy white variety used very extensively for contrasting red- and pink-flowering sorts. Height 4 feet.

Express. Scarlet-crimson. Its dwarf habit and large flower commend it very strongly to all those who would have an excellent bedding or edging variety; it is guaranteed to be well up to expectations. Fine for planting in front of taller-growing sorts. Height 2½ feet.

Gladiator. Green-leaved. A very showy bedding Canna, of medium height, with large flowers of brassy yellow, thickly speckled with dull red. The long center petals and lower petal are solid, dark red, making a most striking contrast to the predominating yellow. It blooms early and keeps up a continuous succession of flowers all summer. 3 feet.

King Humbert. Of superlative beauty and by far the finest of all bronze-leaved Cannas. The enormous trusses are made up of flowers that measure 6 inches across, and are a rich salmon-scarlet, distinctly and numerous flecked with deep crimson markings. It is a free bloomer, and with its rich, coppery bronze, massive foliage, it produces an effect both bold and striking. Height 5 feet.

Richard Wallace. A magnificent, large, yellow variety; green, well-shaped foliage, forming a very impressive plant. Grows about 5 feet high.

Venus. Gay, rosy pink with a mottled border of creamy yellow. It blooms splendidly, with heads erect and flowers bright, because the old ones drop off as fast as the new ones come. Green foliage. 4 feet.

Price of any of the above six varieties, 15 cts. each, \$1.25 per doz., \$8 per 100

Giant-Flowering Purple-Foliaged Canna, Wyoming

This is one of the most majestic Cannas. Blossoms, orange-colored, true orchid-shape, with large, rounded petals that flap and flutter in the breeze like glistening flags. Height, 7 feet. 20 cts. each, \$2 per doz., \$12 per 100.

GENERAL LIST, LARGE-FLOWERING CANNAS

The following varieties have been chosen from a list of almost seventy-five varieties, and are in every way the best sorts.

Yellow-flowering Cannas

Austria. Pure canary-yellow; large, open flowers with reddish dots in center of the two inside petals. Height, 5 feet.

Dr. Nansen. The really best dwarf yellow Canna there is. A constant and abundant bloomer. Height 2½ feet.

Red- and Yellow-flowering

Allemania. An improved Italia, with more numerous flowers, of immense size. Outer petals scarlet, with broad yellow border; inside scarlet and dark red, one of the best of the giant, or orchid-flowered section. Height, 5 to 6 feet.

Indiana. Glistening golden orange, daintily marked and striped red. Single blossoms often measure 7 inches across. Height 5 feet.

Queen Charlotte. One of the finest of the gilt-edge sorts. Large trusses and large flowers of blood-red petals, broadly banded with bright canary-yellow. Handsome, deep bluish green foliage. Exceedingly decorative. Height, 4 feet.

Mme. Crozy. All things considered, still one of the best for bedding. A constant, free and reliable bloomer with large trusses set well above the foliage. Flowers large, bright orange-scarlet, lightly bordered with yellow. Bright green, flossive foliage. Height, 4 feet.

Niagara. We consider this the best of the low-growing variegated Cannas. Great, handsome trusses; broad, thick, durable petals; rich deep crimson, with a wide, irregular border of deep golden yellow. An excellent grower. Green foliage. Height, 3 feet.

Bronze-Foliaged Varieties

Musafolia. This is the finest foliage Canna yet seen, with enormous musa-like leaves 3x5 feet high, of a dark bronze-tinged green, the edges of the leaves being beautifully banded with bronze-purple. In size and beauty of foliage it is a revelation, and makes a clump, or single specimen plant for the lawn which no other foliage plant can approach. Attains a height of 8 feet, beautiful and symmetrical at every stage of growth.

Brandywine. Thoroughly handsome all season through. It has a luxurious growth of very dark foliage and is heavily topped with a magnificent display of brilliant red flowers. Height, 3½ feet.

Chautauqua. Flowers pure, rich scarlet, intensely vivid; luxuriant, tropical foliage, prettily bronzed. Especially valuable for massing. Height, 4 feet.

Egandale. A fine bronze-leaved variety; pretty cherry-red flowers borne well above the foliage; handsome and distinct. Height, 4 feet.

Mrs. George A. Strohlein. Flowers deep amaranth-red; large, bronze foliage. Height, 6 feet.

President Meyer. Handsome bronze and sepia foliage; flowers large, in wide trusses; cherry-carmines. Height, 6 feet.

Robusta. Probably the largest-growing Canna in cultivation. If planted in rich, deep soil it will attain 7 to 9 feet in height. Foliage very large and broad, color rich metallic bronze green. Certainly the best Canna where a tropical effect is desired. Height, 6 feet.

N. B.—Remember our stock is strictly extra-strong roots. Price: Roots of all Cannas in the above General List, 10 cts. each, 75 cts. per doz., \$5 per 100



Cannas, Salvia and Dusty Miller

Pink-Flowering Varieties

Mlle. Berat. 4 to 5 feet. Strong grower, with dark pink flowers; one of the best.

Rosemawr. Extra-fine, large-flowering, dark rose-colored variety; a fine bedder.

Wawa. Soft, delicate pink; very free flowering. Height, 4 feet.

Crimson- and Scarlet-Flowering Varieties

Black Warrior. A very dark crimson, claimed by the originator, to be the darkest known variety. Height, 4 feet.

Charles Henderson. The standard of excellence in crimson Cannas. Height, 4 feet.

Crimson Bedder. Similar to Charles Henderson.

Louisiana. New American orchid-flowered, strong, vigorous-growing variety, producing a dense mass of glossy green foliage and vivid scarlet flowers, often measuring 7 inches across. Imagine a plant with four to five main stems, each one crowned with thirty to forty flowers open at one time! The effect is gorgeous and indescribable. Height 7 feet.

Pres. McKinley. One of the very best Cannas for bedding; luxuriant in foliage and dwarf in habit. The trusses are large and numerous and the flowers large, brilliant crimson, shaded with scarlet; showy and striking. A very majestic Canna. Height, 3 feet.

Pennsylvania. The flowers are often 7 to 8 inches across, with petals 2¼ inches broad, of fine, brilliant red. A most impressive Canna for massing. Height, 6 feet.

Red Cross. Large flowers, shaded dark red. Height, 5 feet.

Wm. Bofinger. The brightest and richest scarlet. Height, 5 feet.

NOVELTY CACTUS DAHLIAS

The following six varieties of Novelty Cactus Dahlias, introduced by James Stredwick & Sons, England, are worthy of highest commendation. For twelve successive years this firm has captured the prize for the best eighteen varieties, six blooms of each. The wonderful improvement in this splendid type of Dahlias warrants all exhibitors in this country to give all these novelties a trial.

Green Plants, delivered during May, 1914, \$1 each, \$10 per doz. Collection: one plant each of the six varieties, \$5

John Riding

The plants are particularly sturdy, healthy growers, and produce enormous blooms of splendid incurved and interlacing form. Its exceptional size, perfect form, great depth, and deep, rich crimson places it in the front rank. First-class Certificate, National Dahlia Society; Award of Merit, Royal Horticultural Society.

Mrs. Henry Randle

A model Dahlia; plants healthy, having an upright habit of growth, the flowers being carried erect, well clear of any foliage. The blooms are of medium size and prettily incurved; color pale cream, quickly changing to a lovely rose-tint, and tipped creamy white. One of the best all-round Cactus Dahlias. First-class Certificate, National Dahlia Society; Award of Merit, Royal Horticultural Society.

George Schofield

A medium-sized flower, of perfect form, the narrow florets being partially whorled and very incurved. The color is beautiful, yellow in center deepening to apricot, which again lightens to white at extreme tips. First-class Certificate, National Dahlia Society.

Nantwich

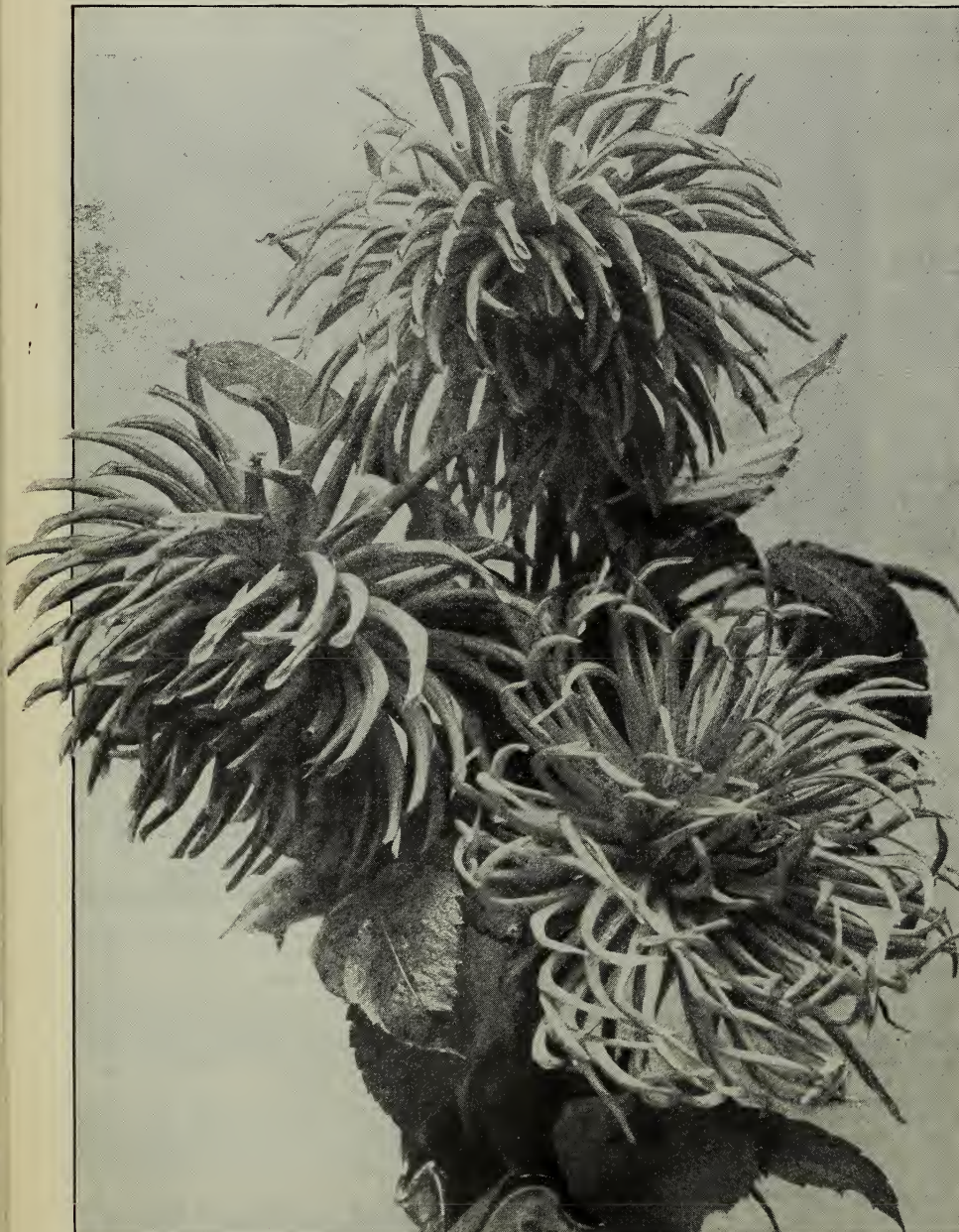
With this variety the habit is a great feature, the growth being upright and flower-stem particularly strong; blooms slightly incurved. The florets are unusually bold in texture. Color light bronzy orange, somewhat deeper in center. First-class certificate, National Dahlia Society; Award of Merit, Royal Horticultural Society.

Pegasus

Grand color, white at base to pink at tips, thickly striped and speckled with vermillion. Flowers of good Cactus form, produced early in the season on long stems. First-class Certificate, National Dahlia Society, Award of Merit, Royal Horticultural society.

Scorpion

The blooms are of medium size, almost globular; clear light yellow with florets so incurved and interlaced as to almost meet in the center. A favorite with several specialists and also with us.



George Schofield Dahlia

GREEN PLANTS, for delivery during May, 1914.....	\$1 each, \$10 per doz.
COLLECTIONS: One each of the 6 varieties, 6 plants.....	\$5 00
Three each of the 6 varieties, 18 plants.....	\$12 50

GENERAL LIST OF BEST CACTUS DAHLIAS

While we realize that there are a great many more varieties of Cactus Dahlias than we offer, those in the list given below are among the best of recent introductions. We supply Dahlias in strong roots or tubers, except where plants are mentioned. The roots are ready from February 1 on, until our stock becomes exhausted, after which time we furnish plants at the same price as roots. Plants flower as well as roots. Dahlia plants are ready in May, and may be set out up to July.

Strong field-grown roots, of any variety on this page, except where noted, 25 cts. each, \$2.50 per doz., \$18 per 100

Arthur Pickard. Light shade of salmon; splendid flower.

Aviator. Bright magenta.

C. E. Wilkins. Pale sulphur-yellow, passing into tender salmon-pink.

Faunus. Soft buff, shaded red, end of florets tipped salmon.

Frederick Wenham. Quite the finest of last year's introductions.

Of gigantic size, stiff stems bearing flowers well above the foliage; color a warm fawn-pink, with soft salmon center. Plants 75 cts. each, \$7.50 per doz.

Gold Crest. Unique color—center pure yellow, forming a disc, upper half of petals bright scarlet.

Golden Eagle. Bright yellow, with suffusions of rose and fawn.

Golden Wave. Color a rich deep pure yellow, the flowers being large

and florets extraordinarily numerous, the centers remaining perfect till long after the blooms are in their prime. The plants are robust, healthy growers; flower-stems long and strong. A Dahlia that has come to stay and one likely to supersede all existing yellows. Plants, 75c. ea., \$7.50 per doz.

H. H. Thomas. Deep Indian red; a splendid exhibition flower. Plants, 35 cts. each, \$3.50 per doz.

H. L. Brousseau. White center, changing to deep rich rose.

Indomitable. Beautiful mauve-lilac, tips of the florets being lighter in color.

Iolanthe. Deep coral-red, the end of the florets tipped gold; very unique.

Irresistible. Yellow, suffused with rose; a grand exhibition flower.

Johannesburg. A variety that meets with favor wherever exhibited. The color is a bright gold, which in the sunlight has a bright golden sheen.

Marathon. Center yellow, shading off to rosy carmine, distinctly tipped white.

Miss Stredwick. A beautiful, deep, pink quite the finest of its color.

This introduction of last year is worthy of highest commendation. Plants, 75 cts. and \$7.50 per doz.

Mrs. Douglas Fleming. The finest white Cactus yet raised,

producing flowers freely during the entire season. For exhibition this variety is an absolute necessity and for any purpose it is second to none.

Mrs. MacMillan. White at the center, deepening to pink at the tips of the florets.

Mrs. Stephens. Color is decidedly unique, being a pale primrose, reminding one of the Sweet Pea "Clara Curtis," but a clear tint. The foliage is long and graceful; the flower is first-class and stems long and hard. It flowers early and remains in form throughout the season. Plants, 75 cts. each, \$7.50 per doz.

Nelson. Deep, rich crimson, shaded magenta.

New York. The term massive is not too strong to describe this splendid variety; deep orange-yellow shading off to bronzy salmon. 50 cts. each, \$5 per doz.

Olympic. A grand flower, of deep, rich crimson, blooms often measuring 8 inches across. Plants, 75 cts. each, \$7.50 per doz.

Queen of Hearts. Few Dahlias of recent introduction rival this variety for table decoration, where dainty effect is desired. Pure white, having a distinct, bright yellow center, which suffuses into the white of the florets. A plant of splendid vigor and very free-flowering, holding its flowers quite erect, well out of the foliage. \$1 each, \$10 per doz.

Quimbo. The need of dark flowers in the Cactus section makes this variety doubly welcome. Crimson-maroon.



Cactus Dahlia, Turtle Dove

Red Admiral. One of the most brilliant Dahlias in existence, the color being a rich, fiery scarlet. A great favorite wherever exhibited. Plants, 50 cts. each, \$5 per doz.

Rev. Arthur Bridge. The coloring is a bright clear yellow, heavily tipped and suffused with bright rose-pink.

Rev. T. W. Jamison. When opening, the center petals are amber-yellow; but quickly changes to lilac-rose.

Richard Box. Distinct light yellow. Plants, 75c. each, \$7.50 per doz.

Snowstorm. A large, bold, white flower of fine form.

T. A. Havemeyer. Clear yellow at the base, deepening to bronze and deep red.

Turtle Dove. Few Dahlias of recent introduction have been as favorably commented upon this past fall. A splendid bicolor, the lower portions of the petals being scarlet changing to white midway up the petal. Plants, 75c. each, \$7.50 per doz.

Uranus. A most beautiful exhibition flower of finest incurved form, and the quantity of perfect blooms produced is surprising. The ground-color white, speckled and striped with vermilion-scarlet. Plants, 75 cts. each, \$7.50 per doz.

Strong field-grown roots, of any variety on this page, except where noted, 25 cts. each, \$2.50 per doz., \$18 per 100

SHOW and FANCY DAHLIAS

Agent. Delicate, soft pink; very fine for cutting.

Arabella. One of the loveliest of this section. Primrose, lightly suffused pink, tipped bright rose; free bloomer.

A. Pfefferhorn. Rosy crimson; very fine.

Chas. Lanier. Very large; yellow-amber, shaded buff; strong, vigorous plant; very floriferous.

Crimson Globe. Very large, and round; crimson; full center.

Emily. Shades of lavender and white; very fine.

John Walker. Pure white; large flower with a full high center.

Lemon Beauty. Very large, full, rounded form; a beautiful shade of lemon-yellow; very fine as a cut-flower.

Queen Victoria. Deep yellow; finely quilled.

Red Hussar. Intense scarlet-crimson.

Fern-leaved Beauty. White, striped deep crimson; fern-like foliage which is very beautiful.

Olympia. Flowers of immense size; color a deep rose-pink, striped crimson.

Professor Mansfield. Flowers very large; golden yellow, tipped white, sometimes a golden yellow, tipped red.

Progress. A magnificent flower; clear, soft rosy lake, beautifully penciled and spotted crimson.

Storm King. One of the finest white Show Dahlias; very free bloomer; of ideal habit.

25 cts. each, \$2.50 per doz., \$18 per 100

COLLECTION: One each, 15 varieties of Show and Fancy Dahlias\$3

POMPON DAHLIAS

Allie Mourey. Light pink, tipped deep pink; blooms very profusely.

Guiding Star. Pure white; a great favorite; flowers on long stems.

Klein Domitea. Salmon-buff; very profuse in bloom, on long stems.

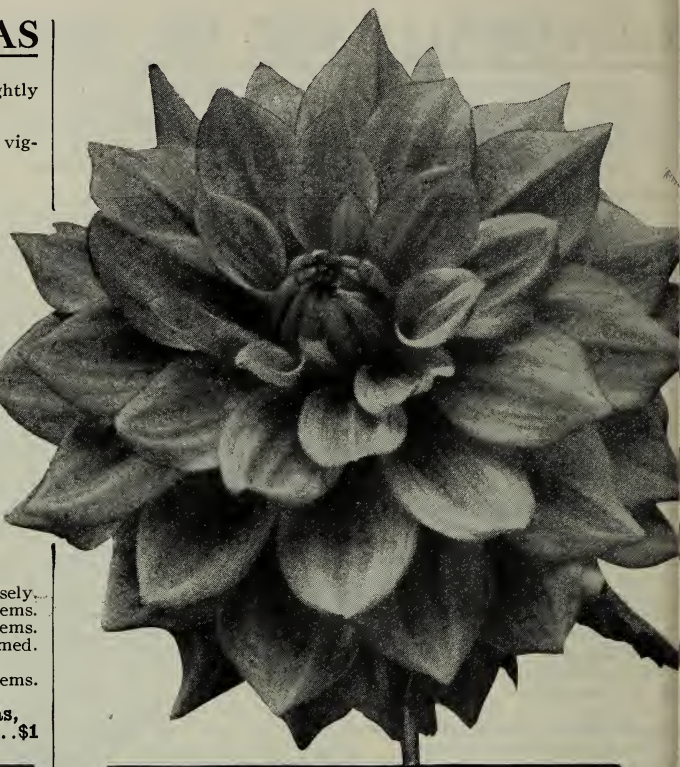
Little Beauty. Delicate shrimp-pink; quilled petals. Well named.

Red Indian. Deep coral-red; handsome flowers on long stems.

Snowclad. Finest pure white Pompon, borne profusely on long stems.

20 cts. each, \$2 per doz.

COLLECTION: One each, 6 varieties of Pompon Dahlias, as above.....\$1



Hortulanus Fiet Dahlia

NOVELTY DECORATIVE DAHLIAS

America. Orange and apricot; large flowers, borne on long, stiff stems. Plant extra strong and vigorous. First-class Certificate, Amsterdam and Haarlem. Strong plants, \$1 each, \$10 per doz.

Great Britain. Clear mauve, reminding one of the soft tints seen in the orchids; large flowers. First-class Certificate, Amsterdam and Haarlem. Strong plants, \$1 each, \$10 per doz.

Hortulanus Fiet. Salmon, yellow center; the largest of the Decorative class; an acquisition for the exhibition table. First-class Certificate, Amsterdam. Certificate of Merit, Haarlem. Strong plants, \$1 each, \$10 per doz.

Alice Roosevelt. A beautiful, clear ivory-white, shaded lilac. The flowers are borne on long stems and are extra fine for cutting. Free and flowering early. Strong plants, 50 cts. each, \$5 per doz.

Hortulanus Witte. Pure white flowers of extra-large size. First-class Certificate. A variety that we can recommend with every confidence. Strong plants, 50 cts. each, \$5 per doz.

Mrs. Fleers. A perfect combination of shades of bright red and rose, exceedingly attractive. Flowers on long stems, fine for cutting. First-class Certificate. Strong plants, 50 each, \$5 per doz.

Princess Juliana. A wonderful white Decorative Dahlia; plants covered with blooms from early until late; extremely long stems, and flowers carried erect; medium in size; the very best for decorative work. Strong plants, 50 cts. each, \$5 per doz.



Show Dahlia, John Walker

TEN GRAND DECORATIVE DAHLIAS

The following ten varieties have proven from our trials to be of unusual merit. We can supply roots up to within a reasonable season, of all varieties, but as the stocks of these grand ten sorts are limited, we may be obliged to send plants. Our customers will be notified if unable to send roots on receipt of their order.

AUGUST NONIN. Clear scarlet; large and superb flowers borne abundantly above the foliage; a very pleasing sort. 35 cts. each, \$3.50 per doz.

BELOIT. Very large flowers, borne on stems 18 to 20 inches long, well above the foliage. They are full-double, of splendid form and a rich purplish garnet. 50 cts. each, \$5 per doz.

DELICE. This, without doubt, is the finest pink Decorative Dahlia. In form, excellent. In type, the ideal. In coloring, superbly delicate and appeals to the sight at once, being a bright pink suffused with a deeper shade. 30 cts. each, \$3 per doz.

KAISERIN AUGUSTA VICTORIA. Pure white flowers borne in great profusion on erect, stout stems, fully 18 inches long, well above the foliage. The immense, perfect flowers can be kept in bloom until Thanksgiving. One of the most valuable Dahlias, growing about 30 inches high, and not requiring support of any kind. 35 cts. each, \$3.50 per doz.

JEANNE CHARMET. A very excellent sort; very large flowers carried up and out on very long stems. Shade of pink, deeper at the edges of the petals and a very light shade at the center of the flower. A perfect mass of color. 35 cts. each, \$3.50 per doz.

LE GRAND MANITOU. The first variegated Dahlia of the Decorative type. The flowers are from 5 to 6 inches across, the ground-color being white, prettily spotted, striped, blotched and suffused with reddish violet. 35 cts. each, \$3.50 per doz.

MME. VICTOR VASSIER. This is the grandest sulphur-yellow Dahlia yet introduced. The flowers are very large, bold, free, fine of form; a grand exhibition variety; one that was largely exhibited this past fall. 50 cts. each, \$5 per doz.

PAPA CHARMET. Rich, deep morocco-red with bright garnet shadings; the finest dark Decorative Dahlia yet introduced. 50 cts. each, \$5 per doz.

PERLE DE LYON. An excellent white for cut-flower purposes; good-sized flowers held erect on long, stiff stems. 35 cts. each, \$3.50 per doz.

VIRGINIA MAULE. White, delicately suffused shrimp-pink; strong, vigorous grower; flowers borne on long stems well above foliage; of ideal form. 35 cts. each, \$3.50 per doz.



Decorative Dahlia, Le Grand Manitou

STANDARD DECORATIVE DAHLIAS

Admiral Dewey. Brilliant imperial purple; finest form.
Beauty of Brentwood. Very fine; plum, striped maroon.
Black Beauty. Large; dark, velvety maroon; distinct form.
Blue Oban. The nearest approach to blue found in Dahlias.
Catherine Duer. Bright, iridescent crimson-scarlet.
Clifford W. Bruton. Bright golden yellow.
Denver. Large; yellow, shading to red toward the tips of the petals.
Frank L. Bassett. Bright royal purple, shading to blue.
Henry Patrick. A superb pure white Dahlia of large size.
Lyndhurst. One of the best bright scarlets.
Jack Rose. A rich shade of crimson; very fine for cutting.
John Elitch. Very large; deep crimson, richly shaded.
Lord Penn. Pale lilac; strong grower and profuse bloomer.
Miss Minnie McCullough. Soft yellow overlaid with bronze.
Maid of Kent. Cherry-red, tipped white, sometimes a solid color.
Mrs. Chas. Turner. Pure yellow; a strong grower and profuse bloomer of immense size.
Mrs. Winters. Very large; finely formed; pure snow-white.
Mrs. Keith. Soft salmon-pink; large and fine.
Minos. Velvety maroon; extra fine and free.
Sylvia. A superb cut-flower Dahlia; outer edge of petals a soft pink, shading lighter toward the center.

25 cts. each, \$2.50 per doz., \$18 per 100

COLLECTION: One each, 20 varieties \$4 00

GRAND GIANT DAHLIAS

SOUVENIR DE GUSTAVE DOUZON. A Dahlia grown very extensively the past two seasons. An immense flower; color a beautiful orange-red; a very profuse bloomer and an unbeatable exhibition sort. Where care is taken in the cultivation, this Dahlia will easily produce blooms 9 inches across.

GIGANTEA. Extremely large, as the name would suggest; gigantic and massive in form, with short, broad petals, producing flowers frequently over 6 inches in diameter. The color is a pleasing shade of creamy white. This variety is very distinct in its class.

LE COLOSSE. Well named, the flowers being of colossal size. A very early and free bloomer. Bright carmine-scarlet.

YELLOW DUKE. A grand Decorative Dahlia of immense size. Pure canary-yellow flowers measuring 6 to 7 inches in diameter. 30 cts. each, \$3 per doz., \$20 per 100



Souvenir de Gustave Douzon Dahlia

THE PEONY-FLOWERED DAHLIA

"Among the different classes of Dahlias no class gives so much satisfaction as the Peony-flowered. They are the first to bloom, and they bloom continually until frost. The flowers of this type hold up in size on ordinary soil much longer than others. They are finer for cutting, as they have long stems, and are graceful when arranged in vases."—*The Florists' Exchange*, October 26, 1912.

"The Peony-flowered varieties offered this year are a selection of the best, out of a collection of 120 varieties, grown during the past two seasons for thorough trial. If an old favorite is missed, a new variety of superior merit has been found to take its place. This remarkable class has fulfilled the great expectations which were formed on their introduction. Where big, fluffy flowers on long stems are required for garden decoration or cutting, nothing finer can be had. At the fall show held by the American Institute of the city of New York we were again successful in gaining the First Award for the best collection of Peony-flowered Dahlias displayed in vases on long stems. Our display almost entirely consisted of varieties that have been introduced by us and, in addition, the novelties for 1914." (Taken from our growers' list.)

NOVELTY PEONY- FLOWERED DAHLIAS

For habit of growth, length of stem, beauty of coloring and profuseness in blooming, the following six varieties will be found to be all that can be desired.

Basalt. Pure deep pink; an enormous flower with four rows of petals, of even color throughout; a strong grower, carrying the flowers on good stems.

Dorothy Head. Bright salmon, with a suffusion of yellow, running from the center of the flower to the point of each petal; produces handsome flowers on long, rigid stems in August and continues blooming profusely throughout the season. This variety has created quite a sensation in our trials during the past season.

Glory of Nijkerk. Crimson-cerise, shaded maroon; a deep, spreading flower of striking color; plants robust and sturdy growers, with heavy, finely cut foliage, and very free-flowering. This variety is of European origin and did exceptionally well in our trials last season.

Magician. Light pink, shaded carmine, yellow center; flowers of fine form and substance, carried erect on long stems. A decided acquisition.

Pot-plants for delivery during May, \$1 each, \$10 per doz.; set of one each, seven varieties, \$6



Glory of Nijkerk

P. W. Popp. Beautiful lake, suffused with brilliant flame in center. The most distinct Dahlia in the Peony-flowered class both in flowers and foliage. The merit of the large, spreading flowers of vivid coloring will quickly place this variety in the front rank.

Professional. Bright poinsettia-red with a distinct yellow disc, making a charming and effective contrast. A distinct variety of unique coloring, producing flowers of exhibition size throughout the season, borne on long, strong, wiry stems.

The Author. Brilliant terra-cotta; upright grower; dark stem and foliage, producing flowers early and profusely with strong stems.

Select Peony-Flowered Dahlias of Recent Introduction

The following list will be supplied during the season in strong tubers, except where listed as plants, until our supply becomes exhausted, when plants will be supplied at the same price.

BERTHA VON SUTTNER. Blush-rose, with salmon tint; most graceful flowers of giant dimensions, having elegantly twisted and curved petals. Very fine acquisition, obtained by hybridization with the variety H. Hornsveld. A compact, sturdy grower; flowers carried erect on stout stems. 35 cts. each, \$3.50 per doz.

CECILIA. Creamy white, shaded lemon toward the center; of fine form and exceptionally large size. Keeps a long time in water and is splendid for home adornment. Plants, 50 cts. each, \$5 per doz.

CÆSAR. Clear, soft buttercup-yellow, which in the sunlight has a glittering golden sheen. The scarcity of true yellows makes this variety doubly welcome. Plants, 35 cts. each, \$3.50 per doz.

COCHINEAL. A most striking variety and the subject of much admiration in our fields. Cochineal was the first to bloom and produced more flowers per plant than any other variety in the fields. Deep cochineal-red, shaded fawn. Plants, 50 cts. each, \$5 per doz.

DR. PEARY. A new and distinct color of this type, being a dark mahogany of velvety texture. 50 cts. each, \$5 per doz.

DUKE HENRY. Soft, dark red, of lovely shade; loose, semi-double flowers on long stems. 25 cts. each, \$2.50 per doz.

GEISHA. The showiest and most attractive of this type yet introduced; of strong growth, with the rich-colored flowers standing well above the foliage. A rich combination of scarlet and gold shading off lighter at the edges. 50 cts. each, \$5 per doz.

GERMANIA. Bright, glowing crimson-scarlet; a very fluffy, artistic flower, borne on long, stiff stems. 25 cts. each, \$2.50 per doz.

HORTULANUS BUDDE. Bright orange-red; a splendid round form; blooms erect, well above the foliage. Plants, 50 cts. each, \$5 per doz.

H. J. LOVINK. White, mauve shaded; very robust grower, bringing its flowers erect above the foliage. This variety is very attractive and is classified as one of the best introductions of last year. Plants, 50 cts. each, \$5 per doz.

KING EDWARD. Deep purple. A unique shade; flowers of fine form, with long, pointed petals, borne on long stems. 35 cts. each, \$3.50 per doz.

KING LEOPOLD. The best yellow among the Peony-flowered varieties. Color varies from cream-yellow to white; flowers very large. 25 cts. each, \$2.50 per doz.

MANNHEIM. Soft orange-red; very fine; long, strong stems. 25 cts. each, \$2.50 per doz.

QUEEN WILHELMINA. Immense, fluffy flowers of pure white, with yellow center; makes a handsome flower for decoration. The most satisfactory pure white we have. 35 cts. each, \$3.50 per doz.

SHERLOCK HOLMES. Lovely mauve, a new color in this race; of grand form, the flowers standing erect above the foliage and freely produced. Plants, 50 cts. each, \$5 per doz.

Giant Single, Century and Collarette Dahlias

NOVELTY SINGLE DAHLIA

Amber. The sensation of 1912. Beautiful, amber-shaded fawn. Grows 5 feet high. Flowers produced on long stems in great profusion throughout the entire season. This variety is one of our own introductions and was awarded a Certificate of Merit at the Dahlia Show, held at the American Institute, September 22 to 26, 1912. (*Grower's description...*) Green plants will be distributed in May 1914, at 50 cts. each, or \$5 a dozen.

EIGHT SPLENDID CENTURY DAHLIAS

CRIMSON CENTURY. Deep, glowing crimson, shaded dark and tipped rose, with rose disc, beautiful combination of colors; better described as a deep rose ground, with rich crimson blotch.

GORGEOUS. Brilliant dazzling scarlet; much superior to Scarlet Century, flowers larger and a stronger grower.

HARVARD. The flowers are of immense size, often reaching 8 inches in diameter, having the same form as Pink Century, and borne on long stems. Intense "Harvard" crimson, with most brilliant, glistening sheen.

MAROON CENTURY. Rich maroon, shaded plum; very large and velvety. A strong, vigorous grower, producing large, well-shaped flowers on long stems well above the foliage.

PINK CENTURY. Of gigantic size; a strong, vigorous grower with fern-like foliage. The color is a delicate shell-pink, slightly suffused clear, soft pink.

WHITE CENTURY. The flowers are of immense size—6 to 7 inches in diameter—of a beautiful snow-white.

YELLOW CENTURY. The plant is tall, producing flowers well above the foliage; bright canary-yellow; the flowers measure from 5 to 7 inches in diameter.

20TH CENTURY. Flowers are very large—4½ to 6 inches in diameter—of perfect form, exquisite finish; color intense rosy crimson, with white tips and white discs around the yellow center, producing a brilliant effect. As the season advances, the dark-colored zone becomes lighter.

25 cts. each, \$2.50 per doz.

COLLECTION: One each, 8 varieties\$1.75



Single Dahlia, Amber

COLLARETTE DAHLIAS

French specialists have given us many improved forms of this type, some with very large flowers and delightful color combinations, from which we have selected the varieties here offered. These unique flowers were exhibited quite extensively last year in foreign countries, meeting with great approval, and we predict the same success here. The flowers are single, with a row of petals around the center known as the "Collar," which is usually different in color from the rest of the flower. Owing to the rarity of these new introductions we are only able to supply growing plants, for delivery during May, of all the varieties.

ALBERT MAUMENE. A beautiful shade of light pink; collar white and pink; very erect growth. Plants, 75 cts. each, \$7.50 per doz.

AMI NONIN. Splendid blending of colors—salmon shading to lilac and pink; collar white, tinted orange and pink. Plants, 75 cts. each, \$7.50 per doz.

BARONNE AD. DE ROTHSCHILD. Shades of pink, carmine and yellow, with white border; collar pink and white. Flowers are very large and of perfect form. Plants, 35 cts. each, \$3.50 per doz.

DIRECTEUR RENE GERARD. Creamy white, suffused with French purple; collar petals long and creamy white; flowers very large. Plants, 50 cts. each, \$5 per doz.

EXPOSITION DE LYON. Rich garnet; collar white, splashed and striped with crimson. Plants, 25 cts. each.

MAURICE RIVOIRE. An attractive flower, with petals of ox-blood-red, with deeper stripe down the center; pure white, fringed collar. Plants, 25c. each, \$2.50 per doz.

MONSIEUR GEORGES BRUANT. Enormous flowers of violet-crimson, edged white; collar white. Plants, 35 cts. each, \$3.50 per doz.

MONSIEUR LOUIS FERARD. Velvety claret, edged, tipped and splashed white. Collar petals very long and of same shading. One of the most effective Collarettes. Plants, 50 cts. each, \$5 per doz.



Collarette
Dahlia,
Maurice
Rivoire

NEW AND RARE GLADIOLI

The following Gladioli, many of which are very high in price, represent the cream of the introductions of many noted growers. While the prices may seem high, they are justly based on the small stocks available. We would advise our customers who are desirous of obtaining a more select and advanced list than that which they already have, to procure some of the following varieties:



Gladiolus. Mrs. Frank Pendleton, Jr.

Mrs. Frank Pendleton, Jr. This exquisitely colored and formed Gladiolus, offered by us under the heading "New and Rare" last year, has in every way come up to its recommendations. Its delicately flushed salmon-pink color extending to the reverse side of the petals as well as in the center; its wide-open blooms, arranged loosely on strong, wiry stems, which fall gracefully when placed in vases, and the deep, rich maroon blotch on the three lower petals make a combination of distinct merit not possessed by many of our best Gladioli. 45 cts. each, \$4.50 per doz., \$35 per 100.

Contrast. While this Gladiolus is not strictly a novelty, it is a flower of great substance and a beautiful, compact spike of perfect form. Color intense scarlet with large, distinct, pure white center, which is neither tinted nor mottled. One of the most striking and beautiful Gladioli ever introduced. 50 cts. each, \$5 per doz., \$35 per 100.

Dawn. (Groff's.) Few Gladioli of recent introduction surpass this decidedly exquisite variety. A gigantic spike, with beautiful, wide-open flowers of peach-blossom-pink with a creamy yellow blotch well down in the throat, greatly enhancing its splendid color. This variety must not be confounded with the Dawn offered by us last year, which has since been changed to Dawn Ray. 60 cts. each, \$6 per doz., \$50 per 100.

Fire King. Long, graceful spikes, showing half a dozen immense blooms open at the same time; intense, fiery scarlet, more brilliant than Brenchleyensis, Cardinal or Mrs. Francis King. 30 cts. each, \$3 per doz., \$22.50 per 100.

La Luna. An extremely choice variety on account of the large size of its bloom and its splendid color. The exquisite, pointed buds appear in primrose-yellow, but this color changes, as the flowers open, to a clear creamy white; a very conspicuous blotch of blood-red adds beauty and attractiveness to the combination; strong, robust grower. 55 cts. each, \$5.50 per doz., \$45 per 100.

Niagara. In type the variety resembles America, but the flowers appear to be somewhat larger, measuring $4\frac{1}{2}$ inches across. In color the flowers are a delightful cream-shade, with the two lower inside petals or segments blending to canary-yellow. The throat is splashed with carmine, and the lower ends of the outside petals are also blushed with carmine. The stamens are purple and the stigmas pale carmine, this little addition in the coloring relieving the creamy effect of the petals. The flower-spike is very erect and stout and is wrapped with broad, dark green foliage. The variety is evidently destined to lead in the cream-colored varieties, in fact it would seem to be in a class by itself. 35 cts. each, \$3.50 per doz., \$28 per 100.

Panama. Exquisite and magnificent, being fully the equal of America in form and size, but superior to it in color, being more on the order of salmon-pink. Wherever this variety has been exhibited it has secured first premiums. European growers have endeavored to secure the entire stock, in some cases offering \$1 each for the bulbs or bulblets. 65 cts. each, \$6.50 per doz., \$50 per 100.

Reine Blanche. (Barre.) Very vigorous grower; long spike; with the exception of a very small, purplish streak at the bottom of the throat, the flower is of perfectly pure white. Decidedly one of the best pure white Gladioli. 30 cts. each, \$3 per doz., \$20 per 100.

Safrano. Fine, long spike; large, slightly fringed flowers of a delicate nankeen-yellow, center currant-red and stripes of the same color. An exquisitely ruffled and fringed Gladiolus, as distinctive as the best of this year's introductions, and one that should be grown by every enthusiast. 50 cts. each, \$5 per doz., \$40 per 100.

War. A flower of gigantic proportions; of deep, ox-blood red, shaded crimson-black, and borne on strong, stiff spikes, with beautiful, deep green, massive foliage. There is no Gladiolus to date that outrivals this splendid novelty for strength of habit, size of bloom or brilliance of color. \$1.25 each, \$12 per doz.

SPECIAL OFFER: Collections
DELIVERED ANYWHERE IN UNITED STATES

1 bulb each, 10 varieties (10 bulbs).....	\$6 00
3 bulbs each, 10 varieties (30 bulbs).....	15 00
5 bulbs each, 10 varieties (50 bulbs).....	25 00

TWELVE FINE EXHIBITION GLADIOLI

Each year we are requested to prepare a list of the best Gladioli within a limited number of varieties covering all distinct colors. The following twelve varieties have been selected by us after a very careful inspection of all existing sorts; and where distinct, large flowers are wanted, and a good range of exquisite colors and shades, we can strongly recommend this list.

America. This Gladiolus, which has been exhibited at all the leading exhibitions, where it has invariably been an easy winner as the peer of the flesh-pink sorts, needs but little description. It is of vigorous habit, easily grown; long spike, flowers well placed; beautiful green foliage that adds an attractiveness to the already alluring and positively beautiful soft lavender-pink flowers. Extra choice bulbs.....\$0 05 \$0 35 \$2 50

Attraction. Deep, dark, rich crimson with a very conspicuous, large, pure white center and throat. A most beautiful and attractive sort..... 10 75 5 00

Baron Hulot. Rich, royal violet-blue; one of the finest in its color. When this Gladiolus is cut and arranged in combination with Sulphur King, the contrast is truly exquisite, and it should be in every collection..... 15 1 50 10 00

Kunderdi "Glory." This beautiful Ruffled Gladiolus is a distinct advance in the culture of this flower. The flowers are broadly expanded, borne in twos, all face the same direction, and are carried on straight, stout stalks, having from three to eight of these handsome flowers open at a time. The color is a delicate creamy pink, with a most attractive crimson stripe in the center of each lower petal..... 15 1 50 10 00

Lydia. A fantastic mottling of pinkish white and deep, rich crimson, in some flowers the white predominating, and in others the crimson, no two spikes being exactly alike. A charming variety that can be used for contrasting with the scarlet and red sorts..... 15 1 50 10 00

Mrs. Francis King. Is a strong grower, vigorous and healthy. Has long, strong foliage and effective flower-spikes, with a goodly number of reserve buds continually opening. The magnificent flowers measure 4½ inches across, and there are five to six flowers well spread out on the spike at the same time, giving for vases in hotel lobbies and dining-rooms, parlor decorations, etc., an effect not produced by any other Gladiolus. The color, brilliant flamingo-pink, blazed with vermillion-red, is most effective both in daylight and under artificial light. As a seller in flower stores it has brought better prices than any other kind except America, which, with its soft pink flowers, excels Mrs. Francis King for floral design work and for that only..... 05 50 4 00

Peace. One of the grandest white introductions of last year, that will retain its place among the best white varieties for some time to come. The pale lilac feathering on the inferior petals, together with its strong, broad, rich green foliage and spike make it a most desirable Gladiolus in any collection..... 20 2 00 15 00

Princess. (The Amaryllis-flowered Gladiolus.) Considered the best of its color. Wonderful-sized flower, perfect shape, brilliant coloring, and artistic form of flower-spike are each a notable improvement of all existing varieties. Color is brilliant scarlet-crimson, carrying mostly three broad white blotches on the lower petals. First-size bulbs, 1 to 1½ inches..... 20 2 00 12 00

Rosy Spray. Beautiful large flower of good habit; white, exquisitely sprayed rose; one of the best; magnificent, strong and erect spike..... 15 1 50 10 00

Scribe. A beautiful, large, well-opened flower, borne on an enormous spike; color like the fine old Eugene Scribe—tinted white, freely striped carmine..... 15 1 50 10 00

Sulphur King. For size of flower and keeping qualities, this Gladiolus is considered as being the best of the yellows. A few blooms cut and arranged in vases in combination with Baron Hulot will prove most effective..... 20 2 00 15 00

Wild Rose. A remarkable Gladiolus, and one that will gain prestige as it is known, as it ranks with the very best. Color bright rose or blush-tint. This was rightly named, and the wild rose tinge of color is strongly pronounced..... 15 1 75 12 00

SPECIAL OFFER: Collections

DELIVERED ANYWHERE IN UNITED STATES

1 bulb each, 12 varieties (12 bulbs)	\$1 50
5 bulbs each, 12 varieties (60 bulbs)	6 00
10 bulbs each, 12 varieties (120 bulbs)	10 00

Standard Named Gladioli

Gladioli have enjoyed increasing popularity each succeeding year, due to the fact that they are among the most charming subjects for the summer garden. Their long spikes of flowers are a perfect charm to the garden, and as a cut-flower their value cannot be over estimated. The amateur will find them of easy cultivation, doing well in almost any situation, and a succession of blooms may be had from July until late fall by planting the bulbs at intervals of every two weeks, from April 15 to June 15. Cultivate the ground around bulbs occasionally to avoid becoming hard or cakey. Plant 3 to 5 inches deep and 1 to 2 feet apart.

Augusta. Best white for the amateur to grow. Pure white, throat slightly tinted lavender. Selected bulbs, 10 cts. each, 60 cts. per doz., \$4 per 100.

Blanche. A sterling white variety with but faint marks. The flowers are very large. A fine exhibition Gladiolus. 30 cts. each, \$3 per doz., \$20 per 100.

Brenchleyensis. Clear vermilion-scarlet, one of the most showy and satisfactory of its color. 5 cts. each, 50 cts. per doz., \$3 per 100.

Canary-Bird. While this variety does not equal Sulphur King, it is preferred by many and considered a splendid yellow. 10 cts. each, \$1 per doz., \$8 per 100.

Cardinal. A perfect spike; flowers of intense cardinal-red, very rich and showy, representing one of the finest varieties. 25 cts. each, \$2.50 per doz., \$15 per 100.

Compacta. Large flower, very compact; wide spike, rosy blush, slightly striped and mottled pink. Quite distinct, and very handsome. 15 cts. each, \$1.25 per doz., \$9 per 100.

Dr. Hogg. This variety is one that should be more generally grown. The color is of delicate mauve, suffused with darker mauve, center white. Should be in every collection. 10 cts. each, \$1 per doz., \$8 per 100.

Eugene Scribe. Very large and wide; tender rose, blazed carmine-red. 10 cts. each, 75 cts. per doz., \$6 per 100.

George Paul. One of the largest-flowering varieties, produced in great numbers on graceful, slender stems; rich crimson. 15 cts. each, \$1.50 per doz., \$10 per 100.

I. S. Hendrickson. A beautiful, irregular mottling of white and rose; in some the rose and in others the white predominating; flowers immense in size. 15 cts. each, \$1.50 per doz., \$10 per 100.

Jane Dieulafoy. We consider this as one of the very best varieties of recent introduction. The flowers are of large size, of a beautiful shade of creamy white, enhanced by the lower petals being stained maroon, and borne on strong, rich green stems. 20 cts. each, \$2 per doz., \$15 per 100.

Klondyke. Clear primrose-yellow with a crimson blotch in the throat; of dwarf habit. 10 cts. each, \$1 per doz., \$7.50 per 100.

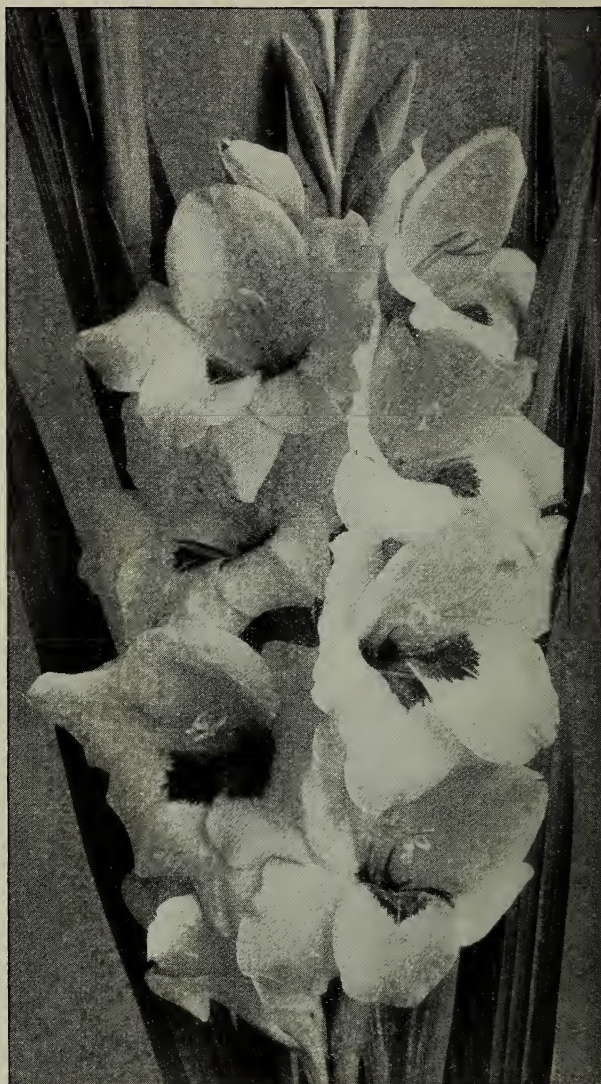
May. Pure white; delicately flaked rosy crimson and a very excellent sort for early flowering. 5 cts. each, 50 cts. per doz., \$3.50 per 100.

Mrs. Beecher. Beautiful deep, rosy crimson. Large, well-opened flowers, with pure white throat freely marked and spotted. 15 cts. each, \$1.50 per doz., \$10 per 100.

Nezinscott. Bright blood-scarlet, with deep, velvety crimson black blotches and white mottlings. 15 cts. each, \$1.25 per doz., \$9 per 100.

Octoroon. A beautiful shade of salmon-pink; flower large and borne on strong, erect spikes. 10 cts. each, \$1 per doz., \$8 per 100.

Portland. Rosy red, penciled darker, mottled throat; a very striking variety. 10 cts. each, \$1 per doz., \$8 per 100.



Jane Dieulafoy Gladiolus

Shakespeare. White, very slightly suffused with carmine-rose, large rosy blotch. 15 cts. each, \$1.25 per doz., \$9 per 100.

Taconia. A flower of striking appearance; pink, flecked and striped with same shades and lower petals marked deep crimson. 15 cts. each, \$1.50 per doz., \$10 per 100.

Wm. Falconer. Spikes of great length and flowers of enormous size, beautiful, clear light pink and blush-mottled. 15 cts. each, \$1.50 per doz., \$10 per 100.

Gladiolus Mixtures

S. & W. Co.'s Selected Mixed. This mixture is composed of very choice varieties and represents a good many of the varieties listed in our catalogue. Bulbs of fine, selected size and, where an assortment of various types and colors is desired, we strongly recommend it. 35 cts. per doz., \$2.50 per 100, \$20 per 1,000.

AMERICAN HYBRIDS. All colors mixed. 35 cts. per doz., \$2 per 100, \$15 per 1,000.

CHILDSEN. Mixture of large-flowering sorts. 50 cts. per doz., \$3.50 per 100, \$30 per 1,000.

GROFF'S NEW HYBRIDS. The flowers are of good substance. All colors among Gladioli are well represented, including blues, grays and purple-blacks. Mixed, 50 cts. per doz., \$3 per 100, \$25 per 1,000.

Various Shades

YELLOW and ORANGE SHADES. 75c. per doz., \$6 per 100.

SCARLET and RED. 50 cts. per doz., \$3.50 per 100.

WHITE and LIGHT. 60 cts. per doz., \$4 per 100.

HARDY LILIES

We especially recommend deep planting, say, from 6 to 10 inches; varieties like *Speciosums* require at least 10 inches, with an ample amount of sand beneath the bulb to insure proper drainage. Cover the beds with leaves or litter during winter. Lilies thrive well in borders, formal gardens or shrubbery, and usually flower at a time when the shrubbery has ceased blooming, adding increased interest. The following varieties have proven to be sorts that may be planted in the fall or spring time with excellent results. We frequently receive orders for *Lilium candidum* for spring delivery. This Lily arrives in our country from France in August and must be planted by October 1.

Lilium auratum

(Golden-Rayed Lily of Japan)

The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. Fully expanded, the flowers measure nearly a foot across, are produced abundantly from June to October, and possess a most delicious fragrance. 3 to 5 feet.

	Each	Doz.	100
8- to 9-inch bulbs.....	\$0 10	\$1 00	\$8 00
9- to 11-inch bulbs.....	20	2 25	15 00
11- to 13-inch bulbs.....	40	3 50	25 00
13- to 15-inch bulbs.....	50	5 00	40 00

Lilium speciosum magnificum

This *Speciosum* Lily is an improvement on *Rubrum*, *Roseum* or *Melpomene*, and is a most excellent flower for forcing in the conservatory or greenhouse and for planting out. It is of more robust habit than *Rubrum*, *Roseum* or *Melpomene* and a freer bloomer, its color being a rich scarlet.

	Each	Doz.	100
8- to 9-inch bulbs.....	\$0 10	\$1 00	\$8 00
9- to 11-inch bulbs.....	20	2 25	15 00
11- to 13-inch bulbs.....	40	3 50	25 00

Lilium speciosum album

The white *Speciosum*, which is usually grown with *Magnificum* and *Lilium auratum*, is a very dainty Lily. It flowers outside in the border or among *Rhododendrons* at the same time as *Auratum* and *Magnificum*, and is one of the most extensively cultivated varieties.

	Each	Doz.	100
8- to 9-inch bulbs.....	\$0 20	\$2 25	\$15 00
9- to 11-inch bulbs.....	40	3 50	25 00

OTHER HARDY LILIES

Batemanii. A truly charming Japanese variety, Each Doz. 100 growing 3 feet high, with 6 to 8 apricot-colored flowers on a stem. Blooms in July and August.. \$0 25 \$2 50 \$18 00

Canadense (Canadian Bellflower Lily). One of the most beautiful native Lilies; flowers bright yellow, black spots..... 15 1 25 9 00

Elegans bicolor. Bright red, flushed, very showy and large..... 15 1 50 12 00

Elegans, Painted Chief. Bright flame color.. 20 2 00 15 00

Elegans Aurora. Deep, rich orange, suffused scarlet..... 25 2 50 16 00

Elegans, Leonard Jeorg. Rich apricot, spotted; very fine..... 20 2 00 15 00

Henryii. (The Yellow *Speciosum*.) A new and very beautiful hardy Lily from northern China. The plants are of vigorous growth, frequently attaining the height of 6 feet. This Lily is noted for its graceful habit and is an unusually excellent bloomer. Color rich golden yellow, lightly spotted with brown, and in shape quite resembles the *Speciosum* types..... 75 7 50 60 00

Longiflorum. Large, trumpet-shaped blooms of pure white.

7- to 9-inch bulbs.....	10	1 00	7 00
9- to 10-inch bulbs.....	15	1 50	12 00



Lilium auratum (Golden-rayed Lily of Japan)

Hansonii. Under favorable conditions at-Each Doz. 100 tains a height of 3 to 4 feet. Flowers reddish orange, eight to twelve in a cluster; petals thick and durable; a native of Japan and has always been high in price, but we have a stock of strong, home-grown bulbs that will give splendid satisfaction..... \$0 50 \$5 00 \$40 00

Superbum. In a collection of best plants of all countries, our native *Superbum* Lily would deserve a first place. In deep, rich soil it often grows 8 feet high, with twenty to thirty flowers. It is of the easiest culture, and may be grown as a wild flower in any swampy or rough part of a place where the grass is not mown. Extra selected bulbs..... 15 1 50 10 00

Tenuifolium. The lovely Coral Lily of Siberia. A great beauty. The brightest of all Lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautiful shaded flowers of a coral-red. One ought to grow them by the dozen, they are so fine for cutting, and making clumps for the lawn. Blooms very early..... 15 1 50 10 00

Tigrinum flore pleno. The Double Tiger Lily. The only double Tiger Lily worth growing 15 1 25 8 00

Tigrinum splendens. Improved Single Tiger Lily. 8- to 10-inch bulbs 15 1 50 12 00

Umbellatum. Somewhat similar in habit to *Elegans* varieties; flowering in large clusters and range in all shades from orange to deep scarlet. Mixed colors..... 15 1 25 8 00

Wallacei. Orange-scarlet, spotted with maroon. 3 ft. September-blooming 10 1 00 7 00

LILY BULBS AND VALLEY PIPS

FROM COLD STORAGE

The following Lilies are repacked (on arrival) and put in cold storage for the convenience of our patrons who desire to have Lilies in bloom throughout the year. *Lilium longiflorum giganteum* are extensively forced by the florist trade all the year, and can be forced in bloom in four months. *Lilium speciosum* four to six months. The main point in the culture of Lilies from cold storage is to keep bulbs in a cool place or cellar, after potting, so as to produce the greatest root action before bringing to the light.

LILIUM LONGIFLORUM GIGANTEUM. The Doz; 100
best all-round Longiflorum to force from cold storage.
10-inch bulbs, repacked, 100 to case.....\$3 50 \$25 00

LILIUM AURATUM (Golden-rayed Lily of Japan).
The flowers are pure white, thickly studded with
crimson spots.
9- to 11-inch repacked, 125 to case 3 00 20 00
11- to 13-inch repacked, 75 to case 4 00 30 00

Lilium Speciosum

The Speciosum Lily is very largely used for private conservatory work and for cutting. With care they may be forced into bloom from four to six months. For Thanksgiving and Christmas blooming bulbs should be potted by July and stored in a cool cellar, in order to make good root growth before bringing into the light. Few failures are recorded where bulbs are placed in a cool place, so as to induce greatest root action before top growth has started to a marked degree. When required for spring blooming, bulbs may be potted in August and September.

Album. The white Speciosum. Doz. 100
8- to 9-inch bulbs repacked, 150 to case.....\$3 00 \$20 00
9- to 11-inch bulbs repacked, 100 to case..... 4 00 30 00

Magnificum. This variety is an improvement on Roseum, Rubrum and Melpomene; it is of more robust habit and a freer bloomer, its color being a rich scarlet.
9- to 11-inch bulbs repacked, 100 to case..... 3 00 20 00
11- to 13-inch bulbs repacked, 75 to case..... 4 00 30 00

Russian Lily-of-the-Valley Pips

FROM COLD STORAGE

THE FINEST VALLEY PIPS OFFERED

In judging our price of Cold-Storage Russian Lily-of-the-Valley, please remember that the best is the cheapest. Our Valley is positively among the best. Is bought at open prices, with instructions for a selection of the best-developed pips. Our long experience and large importations have commanded this extra selection. Introduced a few years ago, it has now become famous, being forced very extensively by a large number of celebrated Lily-of-the-Valley growers. The Russian Valley produces strong spikes of flowers, about 15 inches in



Russian Lily-of-the-Valley Pips

height, bearing from 12 to 20 extra-large pure white bells, which are delightfully fragrant. **New crop November delivery, \$2.50 per 100, \$20 per 1,000.** We make a specialty of Lily-of-the-Valley, and are prepared at all times to supply from our cold storage warehouse in original cases of

100 S. & W. Co.'s Famous Russian Valley for \$3	250 S. & W. Co.'s Famous Russian Valley for \$6.50	500 S. & W. Co.'s Famous Russian Valley for \$12	1,000 S. & W. Co.'s Famous Russian Valley for \$23	2,000 S. & W. Co.'s Famous Russian Valley for \$44
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LILY-OF-THE-VALLEY CLUMPS FOR OUTDOOR PLANTING

These clumps, planted in the early spring, will flower the same season. Are perfectly hardy and will last forever when once planted. Each clump will produce 25 to 35 sprays of flowers. 35 cts. each, \$3.50 per doz., \$25 per 100.



Caladium esculentum (Elephant's Ear)

GENERAL LIST of BULBS and PLANTS

FOR GARDEN, GREENHOUSE AND CONSERVATORY

NURSERY. Our stock of Hardy Herbaceous Plants, Shrubs, Trees and Evergreens is quite complete, and we constantly supply Plants, Shrubs and Trees to the best country estates as well as to suburban homes. We shall at all times be pleased to correspond with persons intending to make improvements on the grounds of their homes, and will cheerfully submit estimates of stock desired, or be pleased to make suggestions for the proper embellishment of grounds or gardens.

ANEMONE. None of the spring flowers surpass the Anemone for brilliancy of color or profusion of bloom. They are very lasting and in recent years have been grown very extensively for cutting and table decoration.

Coronaria. Single blue, crimson, white and scarlet. 25 cts. per doz., \$1.75 per 100.

French de Caen. Mixed. 25 cts. per doz., \$1.75 per 100.

AMARYLLIS

Giant-flowering Vittata Hybrids. Conceded to be the most noble and magnificent section of the Amaryllidaceæ. The stock we have supplied for several seasons has been grown in Bermuda, the seed originally supplied by a most reliable hybridist of this plant. It would require a great amount of space to offer them with descriptions of the several representative types, so we confine ourselves to listing in two general classes—red ground, variegated with white; white ground, variegated with red. The red varies in tones from a brilliant fiery color to crimson; the variegation is sometimes a broad blaze of white in the center of each petal; again, the ground-color is white, abundantly streaked with red or crimson. The flower-spikes are from 1 to 3 feet high, the foliage long and graceful. Flowers borne in clusters, often 8 inches across. Extra-strong bulbs, 75 cts. each, \$8 per doz., \$60 per 100.

Belladonna major. Large; violet and white.....	Each	Doz.
Equestris (The Barbadoes Lily). Bright orange-scarlet, with white throat.....	\$0 15	\$1 50
Formosissima (Jacobean Lily). Brilliant scarlet.....	25	2 50
Johnsonii. Crimson, striped with white.....	15	1 50
Hallii (<i>Lycoris squamigera</i>). Bright rosy lilac flowers; fragrant; 3 to 4 inches across; blooms in August. The foliage appears in spring, disappears in June, and is followed two months later by the naked flowers.....	25	2 50
	50	5 00

APIOS TUBEROSA (Tuberous-rooted *Wistaria*). Clusters of rich, deep purple flowers, which have a strong, delicious violet fragrance. Tubers 10 cts. each, 75 cts. per doz., \$5 per 100.

CALADIUM ESCULENTUM

Elephant's Ear

One of the most effective plants in cultivation for beds, borders or for planting out upon the lawn. Very frequently used as border plant about suburban residences, where their large, rich green leaves afford an excellent embellishment when contrasted with the colors of the dwellings. Leaves often measure 3 to 4 feet long and 2½ feet wide.

	Each	Doz.	100
First-size Bulbs	\$0 10	\$1 00	\$6 00
Large-size Bulbs.....	20	2 00	10 00
Mammoth-size Bulbs.....	25	2 50	15 00
Jumbo-size Bulbs.....	50	5 00	35 00

BESSERA ELEGANS

Coral Drops

If stored during winter in a dry place and planted in the garden in the spring, it can be grown with perfect ease; its umbels of bright coral-like flowers open in succession during fully two months of the late summer. The flowers are of vermilion-red, variously marked with white on the inner surface; bright purple anthers. Height 1 to 2 feet. 5 cts. each, 50 cts. per doz., \$3 per 100.

CINNAMON VINE

Dioscorea Batatas

A beautiful, rapid-growing summer climber, with bright green, glossy foliage, and spikes of deliciously cinnamon-scented, white flowers. It is perfectly hardy, the stem dying down in winter, but growing with great rapidity in the spring, so as to cover any trellis or arbor very early in the season. Large, select roots, 10c. each, \$1 per doz., \$7 per 100. Mammoth roots, 25c. each, \$2.50 per doz., \$15 per 100.



Bed of S. & W. Co.'s Tuberous-Rooted Begonias

Tuberous-Rooted Begonias

We are headquarters for Tuberous-Rooted Begonias; our stock being strictly selected bulbs of the highest possible quality. The opportunities offered by Tuberous-Rooted Begonias for the embellishment of the shady spots in every garden should specially suggest their use, and where grown as a pot-plant for greenhouse or conservatory decoration they are truly a most worthy subject. Thousands are annually planted in beds in our public squares and parks, as well as used for borders of beds. They will thrive in the open sunlight if care is taken to see that the soil is kept moderately moist. May be started indoors in February or planted out in dormant state in early May.

CULTURE.—A popular method of culture adopted by most amateurs is to provide a pan or box, and cover bottom surface to the depth of say one inch or two with sphagnum moss, placing the bulb immediately on top and then covering with still another layer of sphagnum moss. They should be kept moist and moderately warm. Plant in pots in a light but finely sifted soil, about one inch below the surface, and water cautiously until plant has shown considerable growth, then increase the amount. Good drainage is essential. A finely developed plant might consist of three bulbs planted in a 7-inch pot.

ERECT TYPE

(Large Bulbs 1½-inch and up)

SINGLE-FLOWERING BEGONIAS

This class of the Tuberous-Rooted Begonias are largely used for bed- or border-planting.

White	Pink	Dark Red
Yellow	Rose	Salmon
Nankeen	Red	Orange

5 cts. each, 50 cts. per doz., \$4 per 100

Select mixture of all sorts, equal proportions, 5 cts. each, 40 cts. per doz., \$3.50 per 100

DOUBLE-FLOWERING BEGONIAS

This class of Tuberous-Rooted Begonias are largely used for pot-culture and are graded the same as our Single-Flowering varieties.

White	Pink	Dark Red
Yellow	Rose	Salmon
Nankeen	Red	Orange

10 cts. each, \$1 per doz., \$6 per 100

Select mixture of all sorts, equal proportions, 10 cts. each, 75 cts. per doz., \$5 per 100

Giant-Flowering Fringed Begonias

MONSTER BULBS

Beautiful giant blooms, with elegantly fringed edges, giving the flowers a most graceful appearance.

Orange	Red	Yellow
Rose	White	Salmon

Named kinds, 20 cts. each, \$2 per doz., \$15 per 100

Special mixed, 15 cts. each, \$1.50 per doz., \$12 per 100

Four Beautiful Bedding Begonias

The following four beautiful double hybrid Tuberous-Rooted Begonias have stood the firm test as bedding varieties, and their popularity continues undiminished and might easily be termed The Four Best Giant Continuous-Blooming Begonias. They have all the characteristics of a most desirable Begonia. Most desirable for partially shaded places in the garden where they keep up a continuous show of their gorgeous flowers all summer. Dwarf habit—about 10 inches, free bloomers, with flowers of gigantic size borne on strong spikes well above foliage.

Duke Zeppelin. Intense pure vermilion-scarlet. This variety has been grown very extensively as a pot plant in greenhouses, and when contrasted with that of Kathleen Mallard Lobelia the effect produced is most charming; as a border in the garden it will also prove effective. 15 cts. each, \$1.50 per doz., \$12 per 100.

New Yellow Zeppelin. This variety resembles Duke Zeppelin in type and is distinctly new. A strong grower; color clear canary-yellow and a very valuable addition to this already famous type. As a pot-plant this variety should be grown, as it contrasts well with Duke Zeppelin and Lafayette. 35 cts. each, \$3.50 per doz., \$25 per 100.

Lafayette. Beautiful rich crimson-scarlet. This variety is of robust habit and brilliant in the extreme, and certainly a good companion to the two preceding varieties, Duke Zeppelin and New Yellow Zeppelin. 20 cts. each, \$2 per doz., \$15 per 100.

Worthiana. This is a dwarf variety of *Begonia Bertini*, excellent and very free-flowering, which we sent out last year. It is a continuous bloomer, and the brilliant red flowers are borne in great profusion. It will make an excellent bedding variety, and will also be found very useful for edging, and in time will supersede the Vernon and other Semperflorens varieties. 20 cts. each, \$2 per doz., \$12 per 100.

NOVELTY GLOXINIAS

This is perhaps one of the handsomest of summer-blooming tuberous-rooted plants and should be grown more by the amateur than it has been. As a pot-plant for the window-garden it is grand. The main points to observe are, proper care in watering, see that the drainage is good, and that the soil is properly mixed. The soil should consist of one part loam, one of leaf-mold, and one part sharp sand. Water regularly and be careful not to have it strike the foliage. Use a can with a small spout that can be thrust into the foliage without injury and deliver water at the base of the plants. Endeavor to keep soil evenly moist and do not permit to become heavy like mud by too-excessive use of water. A fine sprinkling of bone meal occasionally gently pressed into the soil around the plant will make the plant grow luxuriantly and the flowers will be larger and of greater substance. The **crested or frilled varieties** do not make so large a bulb as the standard varieties, but are much superior as regards size of flower and freedom of bloom. The following varieties have proven from our trials to be of unusual merit:

NEW FRILLED SORTS

Waterloo. This is the handsomest and most striking Gloxinia as yet brought out. The flowers are deep purple, exquisitely frilled, bordered brilliant carmine; borne on strong, erect stems, with excellent recurved foliage.

Meteor. A brilliant variety that is not easily described. A beautiful fiery carmine-scarlet finely edged pure white, heavy frilled and solid flower. As an exhibition variety, this is bound to be much in demand.

Nixe. This variety varies somewhat in the color of its beautiful broad borders. It is a beautiful white; some have a most exquisite deep broad blue border, while others have the rose. The habit of the plant is all that is to be desired. The blooms are large and are borne very profusely on strong, erect stems well above the foliage.

Marienthal. A most excellent crimson, bordered delicate rose, very handsome and attractive large-flowering variety.

Zeppelin. Brilliant carmine; large, beautiful, fringed and frilled; quite distinct from any of the standard sorts.

30 cts. each, \$3 per doz., \$20 per 100

STANDARD SORTS

The following eleven varieties have been selected from a list of greater length and are the best varieties of the standard named sorts.

EMPEROR FREDERICK.

Red, bordered white.

EMPEROR WILLIAM.

Violet, bordered white.

PRINCESS ELIZABETH.

White, bordered blue.

MONT BLANC. Pure white.

VIOLACEA. Dark violet.

MADAME HELENE.

White, crowned violet.

PRINCESS MATHILDA.

White, bordered rose.

QUEEN WILHELMINA.

Dark rose.

DEFIANCE. Brilliant

crimson.

KING OF THE REDS.

Deep scarlet.

PRINCE ALBERT. Dark

violet.

FINE MIXED. Mixture of

all sorts listed.

Price 15 cts. each, \$1.75 per doz., \$12 per 100



New Frilled Gloxinia

FANCY-LEAVED CALADIUMS

No other summer-foliage plant equals the Fancy Caladium in rich and gorgeous, yet soft coloring. All of the varieties are of marvelous beauty for the furnishing of the conservatory during the summer months, for window-boxes or even for outdoor bedding in shady or semi-shady positions. They are of easy culture. The soil should be rich and light; a mixture of equal parts of loam, leaf-mold and thoroughly decomposed stable manure suits them best. The bulbs should be covered with about an inch of soil. Care must be taken in watering until active growth commences, when they delight in a liberal supply, but at all times providing them free drainage. In the autumn, when they show signs of resting, water must be withheld, and the pots containing the roots may be stored in a dry place where the temperature will not fall below 60 degrees.

Acary. Violet-red center and ribs, creamy white zone and large scarlet spots; border green.

Alfred Bleu. White spots on flesh center; rich green ground.

Alphonse Karr. Green ground, carmine-lake ribs; deep red spots.

Araras. Rosy white ground, with dark green ribs and veins.

Bicolor Splendens. Center deep red, border bright green.

Bilontra. Bluish violet center, lighter zone, green border.

Candidum. White ground, with strongly-marked green ribs.

Chantini. Red ground, with white spots and green margin.

Euterpe. Center and ribs red, border green, spotted white.

Dr. Boissduval. Red center, pink spots and green border.

Dr. J. Singelmann. A strong-growing white.

Fascination. Pink center, bronzy red zone, green border.

Formiga. Transparent rose, dark green ribs.

Gaze de Paris. Transparent white, veined green.

Itaqui. Pale rosy ground, red ribs, black stems.

Lepeschkinei. Glowing red center and rosy red spots on a green margin.

Mme. Alfred Bleu Major. Large, round, white leaves, shaded rose. Veins and nerves reddish rose and green.

Porto Novo. Deep green with greenish white center, crimson ribs and spots.

Petsch Kani. Deep red center, green border.

Rio Claro. Transparent, rosy white, with cerise ribs and green border with white spots.

Roncador. Deep glossy green foliage, with almost black ribs and old-rose markings.

Splendidum. Deep crimson center with bronzy green border.

Thomar. Green, spotted deep red, suffused with pink.

Virginal. White with green spots.

Wightii. Green ground, spotted red and white.

20 cts. each, \$2.25 per doz.; set of twenty-five varieties, \$4

CALLAS (Richardia)

The varieties offered below succeed best when treated in the same manner as gladioli, tuberose and other summer-flowering bulbs. They should be planted in the open border in a dormant condition when danger from frost is over in spring, and will then flower during the summer months. When the tops are killed by frost in the autumn, dig and store through the winter as you would potatoes.

Golden Yellow (*Richardia Elliottiana*). This is the best of the Yellow Callas, its flowers being as large as the popular white winter-flowering variety, and is of a rich, lustrous golden yellow of velvety texture; the foliage is dark green, with a number of translucent creamy white spots, which add much to its beauty. Strong bulbs 40 cts. each, \$4.50 per doz., \$30 per 100.

Spotted Leaf (*Richardia albo-maculata*). The leaves of this variety are deep green, with numerous white spots, which give the plant a very ornamental appearance. The flowers are white, with a black center. 10 cts. each, \$1 per doz.

DIELYTRA SPECTABILIS

Bleeding Heart

A well-known ornamental spring-flowering plant with green foliage, and bearing racemes of pink-and-white heart-shaped flowers. Plant as soon as the ground can be worked. They may be left undisturbed for years. By express only. Extra-large clumps, 25 cts. each, \$2.50 per doz., \$20 per 100.

GIANT SUMMER HYACINTH

Hyacinthus candicans

Luxuriant, free-growing summer-flowering plant; spreads 2 or 3 feet, throwing up great, tall spikes 4 to 5 feet in height, each bearing 20 to 30 large white bell-shaped flowers; of the easiest culture and fine for groups in the back of flower borders or among shrubbery. Extra-large bulbs, 10 cts. each, 75 cts. per doz., \$5 per 100.

OXALIS (Summer-flowering)

Valuable for edging walks, flower beds, etc. Bulbs planted 3 inches apart form rounded rows of delicate foliage, about 1 foot high, which produce flowers in endless succession.

Lasiandra. Rosy pink. Extra-fine, large flowers. 25 cts per doz., \$2 per 100.

Deppel. Pink-flushed lavender and crimson. 25 cts. per doz., \$2 per 100.

THE GREAT ISMENE

Those who are familiar with the true Giant Ismene cannot say enough in praise of its beauty and purity. The flowers are of a very large size, like an Amaryllis, of novel form and snowy whiteness, and are also exceedingly fragrant. It is really one of the most lovely of all the great Amaryllis tribe, having a peculiar grandeur, which one can appreciate at sight, but cannot describe. Bulbs are large and strong and begin to flower in two or three weeks after planting, sending up tall flower-stems, which bear several of its magnificent blossoms. The bulbs are not hardy, and should be taken up in the fall and stored in a suitable place until spring. Splendid pot-plants for the home. 25 cts. each, \$2.50 per doz.



HYACINTHUS CANDICANS.

LYCORIS SQUAMIGERA

Amaryllis Halli

The Magic Lily of Japan

A perfectly hardy Amaryllis bearing beautiful pink flowers. Produces in early spring attractive green foliage which grows until July, when it ripens off and disappears, and any one not familiar with its habits would think the bulb had died; but about a month later, as if by magic, the flower-stalks spring from the ground to a height of 2 or 3 feet, developing an umbel of large and beautiful lily-shaped flowers 3 to 4 inches across and from 8 to 12 in number, of a delicate lilac-pink, shaded with clear blue. As the bulb is perfectly hardy without any protection, it can be planted either in the fall or spring; but we consider the spring the best time as the bulbs will have splendid chance to get established before flowering time. Cover the crowns about 4 inches. As a subject for the hardy border or for planting among shrubbery, this is a most excellent subject and should be more generally grown. Strong flowering bulbs, 35 cts. each, 3 for \$1, \$3.50 per doz., \$25 per 100.

MADEIRA VINE

Climbing Mignonette

A beautiful and popular vine, covering a large space in a short time. Fleshy heart-shaped leaves of a light green, and numerous racemes of feathery flowers of delicious fragrance. Protect with litter in this latitude. 5 cts, each, 40 cts. per doz.; by mail, 10 cts. per doz. extra.

MILLA BIFLORA

Mexican Star Flower

A beautiful summer-blooming bulb, for sunny positions. A row or bed of them is always in flower after the middle of summer and very attractive. Flowers star-shaped, 1½ inches across, clear waxy white, of great substance, enlivened by a frost-like sparkle; the fragrance is delightful. Place a stalk in water and the flowers will all open; we have seen eleven stalks shoot up successively from one bulb. The bulbs flower profusely and with great certainty. Height 12 to 18 inches. 5 cts. each, 50 cts. per doz., \$3 per 100.



OXALIS.

EREMURUS ROBUSTUS

A noble and rare bulbous plant from Turkestan, and one of the choicest subjects for the permanent hardy border. They thrive best in a well-drained, sheltered sunny position, and prefer a deep, sandy loam to which has been added a liberal quantity of well-rotted cow manure. A covering of 4 or 5 inches of leaves or litter will be beneficial and save the young shoots, which start early, and are liable to be damaged by late frosts. It produces immense flower stems, 6 to 10 feet high, bearing a dense raceme of flesh-pink flowers, each nearly 2 inches across. Extra-strong flowering roots. 75 cts, each, \$6 per doz.

Himalaicus. Another noble variety, 4 to 8 feet high, from the temperate Himalayan mountains. Bears a splendid raceme, nearly 2 feet long, of lovely pure white flowers as large as a fifty-cent piece. This is perhaps the hardiest and easiest grown of this magnificent genus. Strong-flowering roots, 75 cts. each, \$6 per doz.



Dielytra spectabilis (Bleeding Heart)

If you grow Lily-of-the-Valley,
why not try our Russian
Brand?

MONTBRETIAS

The Montbretias are one of the brightest of our summer-flowering bulbs, and deserve to be planted extensively. The bulbs should be set out during April or May, 3 to 6 inches apart, in clumps of a dozen or more. They should be protected during the winter with a heavy covering of leaves or litter.

SIX NEW GIANT-FLOWERING VARIETIES

The following six varieties of new, giant-flowering Montbretias should be grown by everyone desiring the best. The type is so distinct from existing kinds as to justify recognition as an entirely new race. The flowers are held erect, sometimes as much as 4 inches across, and are borne on stems 3 or 4 feet high.

Fire King. Splendid glowing scarlet-red, decidedly one of the most beautiful and compares favorably with any of the new and more expensive sorts. 5 cts. each, 40 cts. per doz., \$2.50 per 100, \$20 per 1,000.

George Davidson. A splendid Montbretia. The stems are 3 to 4 feet high, eight- to ten-branched, bearing lovely, pale orange-yellow flowers 3 inches across; among the first to flower, and makes a glorious show in the garden. 5 cts. each, 50 cts. per doz., \$3.50 per 100, \$30 per 1,000.

Germania. Grows from 3 to 4 feet high, producing graceful, free-branching flower-spikes, bearing very large, widely expanded flowers 2 to 3 inches across. The color is a rich, glowing orange-scarlet, with red throat. 5 cts. each, 50 cts. per doz., \$3.50 per 100, \$30 per 1,000.

Golden West. A splendid new variety, produces tall branching spikes and large, well-open flowers of a most beautiful pure golden yellow, without least spot or shade; strong grower which attracts the eye in every collection. 30 cts. each, \$3 per doz., \$22.50 per 100.

Martagon. Very showy and neat, the flowers reflexed as in the Martagon lily; color pale yellow with orange throat. 5 cts. each, 50 cts. per doz., \$3.50 per 100, \$30 per 1,000.

Prometheus. Unquestionably the finest Montbretia yet offered in any commercial quantity. A magnificent flower, 4 inches in diameter, deep orange with crimson ring around the edge; plant very robust and of free habit. A grand acquisition to this family. 75 cts. each, \$7.50 per doz., \$60 per 100.

THREE GOOD STANDARD SORTS

California. A beautiful, deep golden yellow, very recommendable; a profuse bloomer. 25 cts. per doz., \$1.50 per 100, \$12 per 1,000.

Star of Fire. Bright vermilion, center yellow, outside blood-red. 25 cts. per doz., \$1.50 per 100, \$12 per 1,000.

Sunset. Golden yellow. 15 cts. per doz., \$1 per 100, \$7.50 per 1,000.

Prices on Montbretias are all express prepaid

TIGRIDIAS (Tiger, or Shell Flower)

These gorgeous summer-flowering bulbs look well associated with gladioli, lilies and kindred stock; grow about 1½ feet high and flower freely throughout the summer. They require the same treatment as gladioli and should be lifted in the autumn and dried off in the same way.

	Each	Doz.	100
Tigridia coelestina. Sky-blue.....	\$0 15	\$1 50	\$10 00
“ grandiflora alba. White	10	75	5 00
“ pavonia red. Deep red	10	75	5 00
“ “ Canariensis. Light yellow	10	75	5 00
“ “ speciosa. Scarlet-red.....	10	75	5 00
“ “ lilacea. Reddish lilac	10	75	5 00

Above prices, express prepaid

TUBEROSES

One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. By skilful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March in the greenhouse or hotbed; and for a succession they can be planted at intervals as late as July. For flowering in the open border, plant about the middle of May, or as soon as the ground becomes warm.

Excelsior Double Pearl. First size, 5 cts. each, 35 cts. per doz., \$2 per 100. Mammoth bulbs, 10 cts. each, 60 cts. per doz., \$4 per 100, express prepaid.

Armstrong's. The single everblooming Tuberose. 50 cts. per doz., \$3.50 per 100.

Complete list of New and Rare varieties of Carnations and Chrysanthemums furnished on request

BEST EVERBLOOMING ROSES

Best English-grown, from the nurseries of George Prince, the famous English Rose specialist. Our Roses are budded on the cultivated seedling English Briar, and are exceptionally strong and worth ten times more than Roses grown on marshy, wet soil, such as are generally offered at a low price. This class of Roses are continuous bloomers the entire summer, but are not entirely hardy in this section, and should be protected during the winter months with a covering of straw or any material handy. To obtain the best results, in addition to the covering of the tops, protect around the roots with 5 to 6 inches of well-rotted manure. This will give added strength to the plants, and additional bloom the following summer.

TEN GRAND EVERBLOOMING ROSES

The following ten varieties have been selected with a view to giving the amateur Rose enthusiast an opportunity to get the best varieties that will give a goodly share of blooms throughout the summer and autumn months, as well as to meet the requirements of those wishing the best varieties to select from and being limited as to the amount.

Betty. The flowers of this new Rose are of a fine form, double and deliciously fragrant; color rosy copper-yellow, with a golden shade.

Caroline Testout. Large, full, globular flowers of bright satiny rose, center a trifle brighter; a grand bedding Rose.

Countess of Gosford. A splendid extremely free-flowering Rose of large size, of perfect form, and full, long, pointed buds of a beautiful salmon-pink, the base of petals suffused with saffron-yellow.

Dean Hole. A very much talked of variety, and one that has received many honors on the exhibition table. Color silvery carmine, with salmon shadings; entirely distinct and up to date, the finest of its color. Its vigorous growth, fine form when in bud or fully expanded, combined with its free-blooming qualities, makes it a very desirable variety.

Gruss an Teplitz. A charming variety, of deep, rich scarlet, shading to velvety crimson. A variety that is extensively used for bedding purposes, where its magnificence of color and profuse blooming qualities continue to be a matter of much comment.

Kaiserin Augusta Victoria. An excellent summer Rose; free bloomer; color pearly white, with a faint suggestion of primrose toward center, rendering it a very valuable variety.

Killarney. Flesh-shaded white, suffused pale pink; the blooms are large, the buds very long and pointed; petals very large and of great substance; a lovely and distinct Rose of great merit.

Lady Faire. A very beautiful Rose; flowers are of good size and form, of a light carmine-rose color, suffused with salmon, shading lighter toward the edges.

Mme. Ravary. One of the best and should be in every collection. Color rich, deep nankeen-yellow, becoming lighter as the flower expands. Excellent form, very double and quite fragrant.

Richmond. One of our best American introductions. It is one of the best and most brilliant dark blood-red Roses, and is also one of our best ever bloomers for outside culture.

Price, 50 cts. each, \$5 per doz., \$35 per 100

COLLECTION, one each, ten varieties.....\$4 50

FOUR GRAND NEW ROSES

Juliet. A very distinct and attractive novelty, with large, perfect-shaped flowers. The outside of the petals are old gold, the interior rich, rosy red, changing to deep rose as the flowers expand; of powerful, delicious fragrance; universally admired. Strong, two-year-old plants, \$1 each, \$10 per doz.

Lady Hillingdon. One of the most popular yellow Roses yet introduced. The color is true, clear yellow with orange shadings in the center. An excellent outdoor, as well as indoor, variety. 50 cts. each, \$5 per doz.

Marquise de Sinety. Every one who has seen this beautiful Rose is enthusiastic over it. The buds are of a rich yellow-ochre, suffused with carmine; the expanded flower, which is of good size, is fairly double, of perfect cupped shape, and of a rich golden yellow or Roman ochre, shaded with bright rosy red; delightfully fragrant. Strong two-year-old plants, 75 cts. each, \$7.50 per doz.

The Lyon. This grand Rose has, perhaps, enjoyed as much of a sensational introduction as any Rose to date, and justly so. In habit vigorous; buds are long, tipped light red and chrome-yellow at base. Foliage rich reddish green; flowers expand large and full; the predominating color being a delightful salmon-pink, shaded chrome-yellow in the center, toning to shrimp-pink at the tips, making a beautiful contrast. A very profuse bloomer, fragrant and hardy. Strong two-year-old plants, 75 cts. each, \$7.50 per doz.



Gruss an Teplitz Roses

GENERAL LIST OF BEST EVER-BLOOMING ROSES

Captain Christy. Delicate fleshy white, the center richer in color; very large and full; most useful, early and late.

Countess Folkestone. Creamy white, shaded flesh color; large, full and free flowering.

Dr. J. Campbell Hall. Coral-rose, suffused white; quite distinct.

Etoile de France. Velvety crimson, center vivid cerise-red; blooms very large, full and cup form.

Gustave Regis. Canary-yellow, very long, pointed buds; good in autumn.

La France. Beautiful bright pink Rose; large, full and fine form; free-blooming and one of the best; early and late; very highly perfumed.

Lady Ashtown. Rich pink; continuous bloomer; fine-shaped flowers; a beautiful Rose; grand in autumn. 50 cts. each, \$5 per doz., \$35 per 100.

Mme. A. Chateau. Carmine-rose, shaded deep salmon; flowers fair size; very free.

Mildred Grant. Ivory-white with an occasional peach shading; enormous size and of wonderful lasting power in water; magnificent exhibition variety.

Maman Cochet. Pink-carmine mingled with salmon-yellow; large and full; superb.

Mrs. Edward Mawley. Bright carmine, shaded with salmon; a superb variety; chaste and perfectly formed flowers of marvelous beauty.

Mrs. W. J. Grant. Imperial pink; large flowers; well formed, with perfect high center; splendid.

White Killarney. A pure white sport of the popular Killarney Rose; identical with its parent in form and size, but in color it is a pure white.

White Maman Cochet. A sport from Maman Cochet, which it resembles in every particular except color, which is pure white occasionally tinged with blush.

Price, 50 cts. each, \$5 per doz., \$35 per 100

TEN BEST HARDY GARDEN ROSES

These are specially grown for us by one of the leading rosarians of England, where Roses develop firm wood and fibrous roots. They are much better adapted to our severe and changeable climate than the soft-wooded plants grown on the meadows of Holland, so generally sold here, and which so frequently cause disappointment.

Roses should be planted with the diverging roots at least 9 inches below the surface of the ground, the soil made firm about them and liberally watered. Bear in mind that Roses are gross feeders. The ground can hardly be made too rich for them, and during their blooming season liberal applications of liquid manure will result in more and finer blooms. While these hardy Roses do not absolutely require protection in winter, they will be all the better for it. Do not cover them, however, until after the top of the ground is frozen. Dead leaves, old straw manure, or any garden litter can be used for covering. Roses are not injured so much by cold weather as they are by the alternate freezing and thawing which occurs during our winters. The covering will overcome this by keeping the soil about the roots more equable in temperature.

Our collection comprises the most select sorts of all colors and of the finest form.

HYBRID PERPETUALS

This class of Roses are perfectly hardy and bloom during June with an occasional bloom in the autumn, and do not necessarily require protection in winter.

Alfred Colomb. Bright red, very large, full and globular; free-blooming and fragrant; a grand Rose.

Frau Karl Druschki. Snow-white; petals shell-shaped; very large, full, perfectly formed, opening well; a superb Rose.

General Jacqueminot. Brilliant crimson-scarlet, large and full; very fragrant. An excellent variety for all purposes.

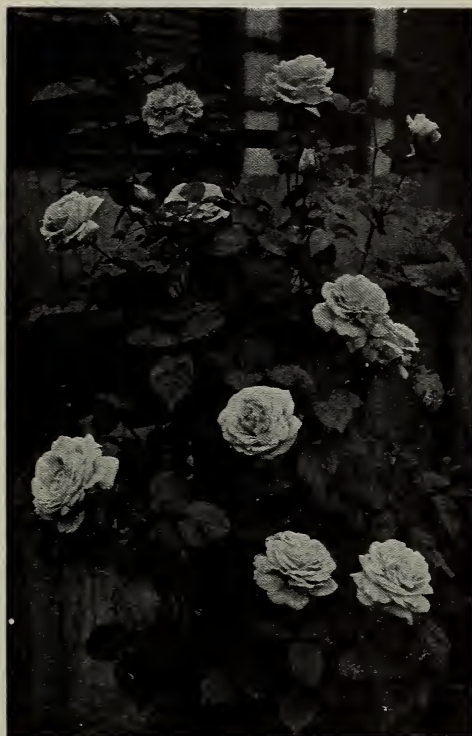
Margaret Dickson. White, pale flesh center, petals very large, shell-shaped, and of immense substance, magnificent form; growth very vigorous. A very fine variety.

Magna Charta. Bright rose, very large and full; fine, early in the season.

Mrs. John Laing. Soft pink, very large and fine form; a good grower and abundant bloomer. A variety of special merit.

Mme. Gabriel Luizet. Light silvery pink; very free bloomer. A grand flower and quite distinct; best in early season.

Paul Neyron. Deep rose, flowers of enormous size, with fine foliage and growth.



Mrs. John Laing Rose

Hugh Dickson. Brilliant crimson shaded scarlet; large, very fragrant and free flowering.

Ulrich Brunner. Cherry-crimson, of large size, fine form. A good garden or exhibition Rose.

Price, 50 cts. each, \$5 per doz., \$35 per 100

COLLECTION, one each, ten varieties\$4 50

Soleil D'Or, or Golden Sun

A distinct type. A cross between Persian Yellow and a hybrid perpetual color varying from orange-yellow to reddish gold, shaded with nasturtium red; conical-shaped buds opening to large, full, flat-shaped flowers; perfectly hardy and free-blooming. 50 cts. each, \$5 per doz.

SEVERAL SELECT FAVORITES

Captain Hayward. Scarlet-crimson, long-pointed buds; good.

Clio. Flesh, shaded in the center with rosy pink.

Duke of Edinburgh. Bright velvety crimson; large, full and free.

Dupuy Jamain. Very bright cerise; large, full.

Mrs. Sanford. A sport from Mrs. John Laing. Of the same habit and growth, but pale blush-pink shading to white.

Mrs. S. Crawford. Deep rosy pink, shaded pale flesh; very free; good form.

Price, 50 cts. each, \$5 per doz., \$35 per 100

MOSS ROSES

Blanche Moreau. Pure white; perfect form; well mossed.

Cristata. Rose-pink.

Old Moss. Pink.

Alfred de Dalmals. Rosy white (perpetual).

Salet. Clear rose (perpetual).

White Bath. Paper-white.

Price, 50 cts. each, \$5 per doz., \$35 per 100



Frau Karl Druschki Rose

Hardy Climbing Roses

The following varieties of Rambler Roses, while few in number, might easily be considered as being among the very best. It is our aim to list only those of distinct merit.

SUPERB RAMBLERS

American Pillar. A decided acquisition. This beautiful single-flowering variety is a rare beauty, and one of the most talked-of recent introductions. The flowers, often measuring 3 inches in diameter, a beautiful shade of pink, are borne in large clusters and last in perfection a long time. The beautiful green foliage is retained until late autumn in true color, giving the plant an artistic effect much its own. Extra-strong plants, 75 cts. each, \$7.50 per doz.

Hiawatha. Decidedly the most brilliant scarlet. The flowers often measure 1½ inches across, and are produced on long, pendulous sprays, frequently having 50 flowers to the spray. Its clear white eye and golden stamens combined with its dazzling scarlet color make a sight of much beauty. Like American Pillar its foliage remains a lovely shade of green until late autumn. Extra-strong plants, 50 cts. each, \$5 per doz.

Tausendschon. "A thousand times beautiful," is not overestimating the beauty of this new and distinct Rambler. The individual flowers are very large for this type of Rose, being fully 2 to 3 inches across, and of decidedly graceful form. Opening flowers pink, rosy carmine when expanded; are produced in large trusses of from 10 to 15 flowers. Extra-strong plants, 50 cts. each, \$5 per doz.

Dorothy Perkins. One of the handsomest of all the cluster Climbing Roses; flowers rose-pink, clusters very large and abundant. Medium-sized plants, 35 cts. each, \$3.50 per doz.; large-sized plants, 50 cts. each, \$5 per doz.; XX large-sized plants, 75 cts. each, \$8 per doz.

Lady Gay. A variety of remarkably vigorous growth, flowers a delicate cherry-pink which gradually changes to soft, tinted white. The effect produced by the combination of cherry-pink buds and the tinted white flowers, and the deep green of the foliage, is indeed most charming. Medium-sized plants, 35 cts. each, \$3.50 per doz.; large-sized plants, 50 cts. each, \$5 per doz.; extra-large-sized plants, 75 cts. each, \$8 per doz.

Yellow Rambler. Flowers small, semi-double, borne in clusters of 12 to 30 well-formed and decidedly fragrant flowers. Extra-strong plants, 50 cts. each, \$5 per doz. Collection, one each, strong, 2-yr.-old plants, 6 varieties, \$2.50.

Crimson Rambler. This favorite is well known, one of the first introduced; flowers borne in huge clusters of beautiful crimson. Medium-sized plants, 35 cts. each, \$3.50 per doz.; large-sized plants, 50 cts. each, \$5 per doz.; extra-large, strong plants, 75 cts. each, \$8 per doz.

BEDDING ROSES

Hermosa. Bright rose, 35 cts. each, \$3.50 per doz.

Baby Rambler. The best bedding Rose; a continuous and free bloomer; very hardy and should be grown in every garden. Small plants, 25 cts. each, \$2.50 per doz.; large, 2-year-old plants, 50 cts. each, \$5 per doz.

Gruss an Teplitz. A charming variety, of deep, rich scarlet, shading to velvety crimson. A variety that is extensively used for bedding purposes, where its magnificence of color and profuse blooming qualities continue to be a matter of much comment.

STANDARD, OR TREE-SHAPED ROSES

The following five varieties are among the best of the varieties. Stems rising about four feet, strong and straight.

Caroline Testout. Bright satiny rose; everblooming.

Frau Karl Druschki. Best pure white; hybrid perpetual.

La France. Beautiful bright pink; everblooming.

Killarney. Bright pink; everblooming.

Ulrich Brunner. Cherry-crimson.

Strong plants \$1.50 each, \$15 per doz.

HEDGE PLANTS

California Privet. One of the most satisfactory plants for hedges known at the present time. Glossy green foliage, easily kept in shape, and of fine symmetrical shape naturally.

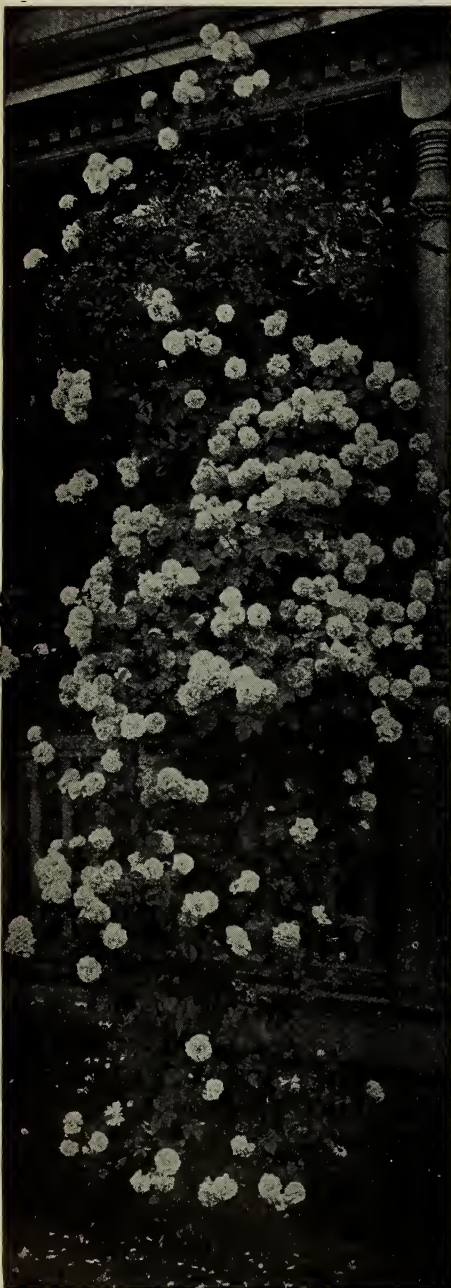
	100	1,000
18 to 24 inches high, 2-year old	\$3 50	\$30 00
24 to 28 inches high, 2-year old	5 00	45 00
28 to 36 inches high, 3-year old	7 00	65 00
36 to 40 inches high, 4-year old	9 00	80 00

All our Privet is extra-fine and bushy, and is extra-well rooted. Special prices on large lots.

Berberis Thunbergii. From Japan. A pretty species of dwarf habit; small foliage, changing to a beautiful coppery red in autumn. Showy orange-yellow flowers in May, and succeeded by bright red fruit; very hardy, and the best low-growing hedge plant. Also valuable to grow as a shrub.

	100
3-year-old plants, 12 to 15 inches high	\$12 00
4-year-old plants, 15 to 18 inches high	16 00
5-year-old plants, 18 to 24 inches high	18 00

Prices furnished on larger sizes and larger quantities, on application.



Dorothy Perkins Rose

HARDY CLIMBING PLANTS

Ampelopsis Veitchii Sometimes called Boston Ivy and Japan Ivy

This is the most deservedly popular of all climbing plants, being entirely hardy in the most exposed places and attaining a height of 30 feet in two or three years; clings to stones, brick or woodwork with the greatest tenacity. During the summer the leaves are a rich shade of green and lap over each other with great regularity, like a coat of mail or like slates on a roof. But it is in the fall that it shows its exquisite beauty. The leaves then change to the brightest tints of scarlet, crimson and orange, so dazzling as to be seen at a great distance. First-size plants, 25 cts. each, \$2.50 per doz.; extra-size plants, 35 cts. each, \$3.50 per doz.; pot-grown plants, extra strong, 75 cts. each, \$8 per doz.

Aristolochia Sipho (Dutchman's Pipe)

A native species, of climbing habit and rapid growth, with magnificent light green foliage 10 to 12 inches in diameter, and curious, pipe-shaped, yellowish brown flowers. 50 cts. each, \$5 per doz.

Bignonia Radicans (Scarlet Trumpet Vine)

For covering unsightly places, stumps, rockwork or planting in crevices in ledges, the Bignonias will be found very useful. The flowers are large, attractive and showy, and borne profusely when the plant attains a fair size. 50 cts. each, \$5 per doz.

CLEMATIS

The Clematis we offer this season are exceptionally fine, strong 2-year-old plants. We have reduced the number of varieties to such sorts as, from experience, we know to succeed best in our climate. Many failures in the growing of Clematis are the result of too shallow planting. the crown of the roots should be set at least 3 inches below the surface of the soil.

Small-Flowering Clematis

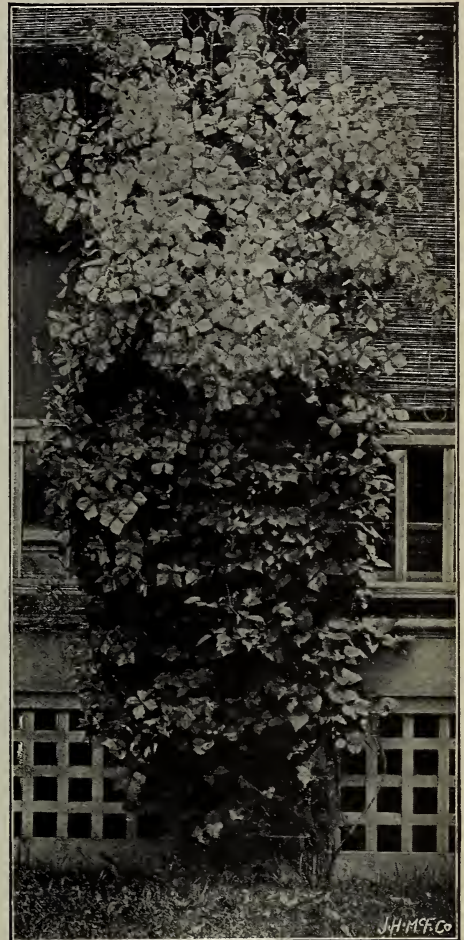
Paniculata (*Japanese Virgin's Bower*). This handsome hardy climber is one of the choicest and most satisfactory climbing flowering plants we know. The plant is of strong, rapid growth, with small, dense, cheerful green foliage, giving it a grace and elegance possessed by no other hardy climber. The flowers appear in the greatest profusion during August, and continue until late in the fall, are white in color and most deliciously fragrant. The plant succeeds in almost any position; not only is it well adapted to run up all kinds of supports, but is just as useful for planting among rockwork, sloping banks, covering graves, or, in fact, in any position where a graceful vine is desired. Strong two-year-old plants, 25 cts. each, \$2.50 per doz.; strong one-year-old plants, 15 cts. each, \$1.50 per doz.

Large-Flowering Clematis

Jackmani. The best known and most valued variety of this popular family. A perfect mass of bloom when in full flower. Color, dark, rich, royal purple. 50 cts. each, \$5 per doz.



Clematis paniculata



Clematis Jackmani

Henryi. Pure white; large and remarkably handsome. 40 cts. each, \$4 per doz.

Sieboldii. Lavender-blue; large, strong, vigorous grower. 40 cts. each, \$4 per doz.

Ville de Lyon. Bright red, well-formed flowers; a very fine variety, 50c. ea., \$5 per doz.

Japanese Kudzu Vine

These roots are imported from Japan, and will, if planted early, grow 20 to 30 feet the first season. Very hardy and a first-class vine for general use. Small size, 35 cts. each, \$3.50 per doz.; large size, 50c. ea., \$5 per doz.

HONEYSUCKLE

Halliana (Hall's Japan Honeysuckle). A strong, vigorous, almost evergreen sort; white flowers changing to yellow; very fragrant; flowering from July to December; holds its leaves nearly all winter. 35c. ea., \$3.50 per doz.; small 1-year-old plants 20c. ea., \$2 per doz.

Scarlet Trumpet Honeysuckle. This and its varieties are the handsomest in cultivation. It is a strong, rapid grower, and produces scarlet, inodorous flowers. 50 cts. each, \$5 per doz.

WISTARIA

Sinensis (Chinese Wistaria). A most beautiful climber of rapid growth. When well established it makes a growth of 15 to 20 feet in a season. Flowers pale blue. Extra-strong plants, out of 6-inch pots, \$1 each, \$10 per doz.

White. Extra-strong plants, out of 6-inch pots, \$1 ea., \$10 per doz.

HARDY HERBACEOUS PLANTS

ACHILLEA, The Pearl. Pure white flowers in profusion. 18 to 24 in. All summer. 15 cts. each, \$1.50 per doz.

tomentosa (Woolly Yarrow). Handsome cut foliage and bright yellow flowers in a multitude of flat heads during June; height about 12 inches. 15 cts. each, \$1.50 per doz.

ACONITUM autumnale. Deep purplish blue flowers in September. 20 cts. each, \$2 per doz.

Napellus. Flowers blue; very fine. 18 to 24 in. September and October. 15 cts. each, \$1.50 per doz.

Wilsoni. Novelty recently introduced from China. The graceful flower spikes attain a height of about 6 feet, and produce many fine pale blue or violet flowers. It blooms from the beginning of September until the end of October. 25c. each, \$2.50 per doz.

ADONIS vernalis. Flowers bright yellow, 2 to 3 inches across. 12 in. Early spring. 10 cts. each, \$1 per doz.

ALYSSUM saxatile fl. pl. Although this plant is new, it is not very common. In early spring it blooms with large quantities of double bright yellow flowers. 25c. each, \$2.50 per doz.

rostratum. Dwarf; yellow; floriferous. 15 cts. each, \$1.50 per doz.

ANCHUSA incarnata. Flesh-pink; very fine. 2 to 3 ft. July and August. 15 cts. each, \$1.50 per doz.

Italica, Dropmore Variety. A grand improvement on the old Italian Alkanet; grows 5 to 6 feet high and produces its pretty gentian-blue flowers throughout the entire summer; one of the best blue perennials. 25c. each, \$2.50 per doz.

ANEMONE, Honorine Joubert. Pure white, large flowers. 18 to 24 in. July to October. 15c. each, \$1.50 per doz.

Queen Charlotte. Semi-double, light pink. 18 to 24 in. July to October. 20 cts. each, \$2 per doz.

Whirlwind. Semi-double, pure white. 2 to 3 ft. July to October. 15 cts. each, \$1.50 per doz.

Japonica purpurine. Novelty of recent introduction, with large semi-double, deep purplish rose-colored flowers. One of the very best. 20 cts. each, \$2 per doz.

Prinz Heinrich. New German variety, of dwarf, compact habit, with very large, semi-double dark red flowers; the darkest double Anemone. 20 cts. each, \$2 per doz.

ANTHEMIS Kelwayi. Flowers golden yellow, of dense, bushy habit. 12 to 18 in. July to November. 20 cts. each, \$2 per doz.

AQUILEGIA alpina, Blue. One of the very best. 12 to 18 in. All summer. 20 cts. each, \$2 per doz.

coerulea. Bright blue and white long-spurred flowers. 15 cts. each, \$1.50 per doz.

Skinneri. Flowers scarlet, with greenish tip. A very distinct variety. 12 to 18 in. All summer. 20 cts. each, \$2 per doz.

Californica. Large yellow flowers, dark orange spurs 12 to 18 in. All summer. 15 cts. each, \$1.50 per doz.

ARABIS alpina. One of the most desirable of the very early spring-flowering plants that is especially adapted for edging and for the rock garden, but does equally well in the border, where it forms a dense carpet, completely covered with pure white flowers. Lasts for a long time in bloom. 15 cts. each, \$1.50 per doz.

flore pleno. A distinct and pretty double-flowering form. 15 cts. each, \$1.50 per doz., \$10 per 100.

ASTERS

ASTER hybridus, Flossy. Novelty, with pure white feathery flowers of moderate growth and very free-flowering. Extra for cutting. 15 cts. each, \$1.50 per doz.

hybridus, Weisse Zwerg Konigin (White Dwarf Queen). One of the finest white-flowering autumn Asters, growing about 2 feet high. 15 cts. each, \$1.50 per doz.

Aster Novi-Belgii, Perry's Pink. This new variety grows about 3½ feet high; erect, having large branching heads, covered with medium-sized flowers of a clear, reddish pink. 15c. ea., \$1.50 per doz.

Novi-Belgii, Regina. New variety recently introduced; medium habit, with large, clear rose-violet flowers, with yellow center. Remarkable for its freedom of bloom. 15 cts. each, \$1.50 per doz.

Novi-Belgii semi-plenus. One of the finest late-flowering Asters; beautiful semi-double blue flowers. 15c. each, \$1.50 per doz.

ASCLEPIAS tuberosa. Spikes of bright orange flowers; very showy. 2 ft. July to September. 15 cts. each, \$1.50 per doz.

BELLIS perennis (Double Daisy)—

Maxima, Red. 4 in. Spring. 10 cts. each, \$1 per doz.

Maxima, White. 4 in. Spring. 10c. each, \$1 per doz.

Maxima, Longfellow. 4 in. Pink. Spring. 10c. each, \$1 per doz.

BOCCONIA cordata. A noble hardy perennial, beautiful in foliage and flower, admirably adapted for planting in the shrubbery borders, center of beds, and in bold groups in almost any position. It will grow in any soil or situation, attaining from 6 to 8 feet in height; flowers in terminal panicles, of a creamy white color; during July and August. 15c. ea., \$1.50 per doz.

BOLTONIA asteroides. Pure white. 15 cts. each, \$1.50 per doz.

latisquama. Pink, slightly tinted with lavender. 4 to 6 feet. 15 cts., each, \$1.50 per doz.

CARNATION, Non Plus Ultra. Border pinks; extra-fine mixture. 10 in. Summer. 10 cts. each, \$1 per doz.

COREOPSIS lanceolata. One of the best perennials in cultivation, with large lemon-yellow flowers on long stems. 2 to 3 feet. All summer. 15 cts. each, \$1.50 per doz.

grandiflora. A free-flowering, desirable species, with rich golden yellow flowers. 18 in. All summer. 15 cts. each, \$1.50 per doz.

CAMPANULAS, or BELLFLOWERS

CAMPANULA Carpatica (Carpathian Harebell). A pretty species growing in compact tufts, not exceeding 8 inches high; flowers clear blue, held erect on wiry stems. It begins blooming in June, continuing without interruption until October.

Carpatica alba. The white-flowered form of the preceding.

Medium (Canterbury Bells). Our stock has been grown from the very finest strain; blue, rose and white. 3 feet.

Medium calycanthema (Cup-and-Saucer Canterbury Bells). A beautiful form of this variety flower. Blue, rose and white.

glomerata (Clustered Bellflower). Dense clusters of funnel-shaped violet-blue flowers. June to August. 18 inches.

persicifolia. Large-flowering blue; very fine. 18 to 24 in. July and September.

persicifolia alba. Pure white form of the above.

Price of all the above varieties, 15 cts. each, \$1.50 per doz.

persicifolia Moerheimi. Beautiful double pure white, very large flowers. This variety is very compact and vigorous. 18 to 24 in. June and July. 20 cts. each, \$2 per doz.

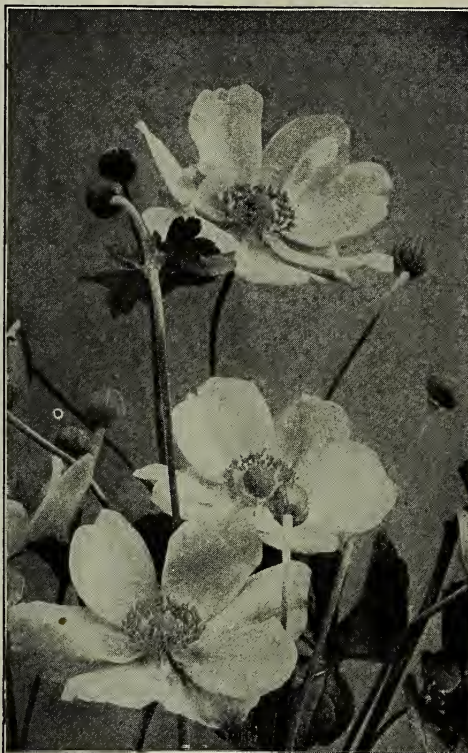
CHELONE (Shell Flower). Stately and handsome perennials, growing about 2 feet high and bearing numerous spikes of large flower-heads during the summer and fall.

glabra alba. Terminal spikes of creamy white flowers.

Lyonii. Heads of deep red flowers.

obliqua alba. Clusters of pure white flowers.

25 cts. each, \$2.50 per doz.



Anemone, Whirlwind

CHRYSANTHEMUMS

CHRYSANTHEMUM maximum Robinsoni. A very handsome variety, with beautifully fringed flowers. One of the best. 2 feet. All summer. 25 cts. each, \$2.50 per doz.

maximum. White; fine for cutting. 2 ft. All summer. 25 cts. each, \$2 per doz.

maximum, Triumph. Very large, single white flowers. 2 feet. All summer. 20 cts. each, \$2 per doz.

Hardy Pompon Chrysanthemums

These varieties have met with continued favor, and there is no cause for surprise as they are well adapted for outdoor bedding. The blooms are borne in lavish profusion, giving color to the garden at a time of the year when all other plants have been destroyed by frost. Frost does not materially affect their flowering and frequently one is able to gather quantities of these beautiful blooms late in November. Should be planted in a well-drained position and given a slight covering of leaves or litter during the winter.

WHITE

Diana, Queen of Whites
St. Elmo Baby Margaret
Helen Newbury Lulu
Angelique Elva
Marion

PINK

Eleganta Alena
Little Pet Fairy Queen
Dawn Nellie Bly
Rhoda Rosy Morn
King Philip Minto
Findon Gladys

YELLOW

Susquehanna Excelsior
Sunshine Baby
Zenobia Triumph d'Or
Vallis Quinola

BRONZE-YELLOW

Miss Julia Allentown
Mrs. Porter Sir Walter Raleigh
Aaron Prinde Thule
Henrietta Brown Bessie
Inga

RED

Rufus Julia Legravere
Lyndhurst Northumberland

Prices for 2 1/4-inch pot-plants, 10c. each, \$1 per doz., \$7 per 100

DELPHINIUMS

In this class of plants belongs the distinction of being one of the most popular subjects for the hardy border. They are of easy culture and no hardy border is complete without some of these grand hardy perennials.

Belladonna grandiflorum. The stems of this new Belladonna are much stronger than the common sort, and the flowers, which are of the same fine sky-blue color, are much larger. A striking acquisition. 40 cts. each, \$4 per doz.

Formosum. Beautiful dark blue, white center, 3 to 4 feet high. Very vigorous and free-flowering. 20 cts. each, \$2 per doz.

Formosum coelestinum. Sky-blue, very handsome. 25 cts. each, \$2.50 per doz.

King of Delphiniums. One of the finest Delphiniums, with flowers of enormous size, semi-double of a deep purple-blue color with white eye. 35 cts., \$3.50 per doz.

J. S. Bruton. Its beautiful flowers are of the finest sky-blue in the style of "Belladonna," but larger. It does not grow higher than 3 to 4 feet, and produces an immense quantity of long, graceful spikes flowering throughout the whole summer. No other variety surpasses it in abundance of flowers and, therefore, it is of great value for cutting purposes. 50 cts. each, \$5 per doz.

DICTAMNUS Fraxinella (Gas Plant). Showy border perennial, forming a bush 2 1/2 feet high having fragrant foliage, with showy rose-pink flowers. 15 cts. each, \$1.50 per doz.

albus. Pure white variety of the above. 15c. each, \$1.50 per doz.

Caucasicus. A gigantic form. Flowers double the size of the two preceding varieties. 25 cts. each, \$2.50 per doz.

DIGITALIS gloxiniaeflora (Foxglove). Pure white to deep pink. 3 to 4 feet. June and July. 15 cts. each, \$1.50 per doz.

DRONICUM Clusi. One of the most effective of the very early flowering perennials, growing about 2 feet high, flowers rich yellow, 2 to 2 1/2 inches across. 25 cts. each, \$2.50 per doz.

excelsum. Large; orange-yellow. 3 1/2 inches across. 25 cts. each, \$2.50 per doz.

EULALIA gracillima univittata (Japan Rush). Of graceful habit, with very narrow foliage; of a bright green color, with a silvery midrib. 25 cts. each, \$2.50 per doz.; clumps, 50 cts. each.

GAILLARDIA grandiflora. One of the most effective and showiest hardy flowering plants, with gorgeous flowers of bright yellow and orange, with deep crimson center. 18 inches. All summer. 15 cts. each, \$1.50 per doz.

GYPSOPHILA paniculata. A n elegant light and graceful perennial, forming a mass of thread-like stems, with an abundance of small, white flowers. 2 to 3 ft. July and August. 15 cts. each, \$1.50 per doz.

paniculata fl. pl. This beautiful plant, which we consider to be the very best novelty that has been raised in the last few years, grows about 3 1/2 feet high and its pure white flowers are perfectly double. They are produced in large quantities, and the plant is at least as graceful as the ordinary variety, so that it is of great value for decoration and cutting purposes. It is perfectly hardy. 25 cts. each, \$2.50 per doz.

HARDY SUNFLOWERS, Rigidus.

One of the most desirable of our native varieties, beginning to bloom early in July and continuing until fall; flowers golden yellow, with dark centers. 3 feet. 15 cts. each, \$1.50 per doz.

Miss Mellich. Flowers in September and October. Grows about 6 feet high, with large, single, golden yellow flowers. 15c. each, \$1.50 per doz.

Meteor. Large, double, orange-yellow flowers, with bold yellow guard petals. 5 ft. August and September. 15 cts. each, \$1.50 per doz.

Soleil d'Or. Deep golden yellow, quilled petals, not unlike a dahlia.

4 feet. August and September. 15c. ea., \$1.50 per doz.
Multiflorus fl. pl. (Double Hardy Sunflower). Large, double, golden dahlia-like flowers in great profusion during July and August. 4 feet. 20 cts. each, \$2 per doz.

HELENIUM pumilum magnificum. A fine cross between *H. pumilum* and *H. autumnale superbum*. It grows 2 1/2 feet high, and produces a great number of large yellow flowers from June till autumn. 15 cts. each, \$1.50 per doz.

Riverton Beauty. Lemon-yellow. 25 cts. each, \$2.50 per doz.

Riverton Gem. Old-gold, changing to red. 25c. ea., \$2.50 per doz.

HELIOPSIS Pitcheriana. 10 cts. each, \$1 per doz.

HEMEROCALLIS. Fine, tall-growing plants, with sweet-scented lily-like flowers.

aurantiaca major. Sweet-scented, trumpet-shaped, deep orange color. 3 feet. July and August. 25c. each, \$2.50 per doz.

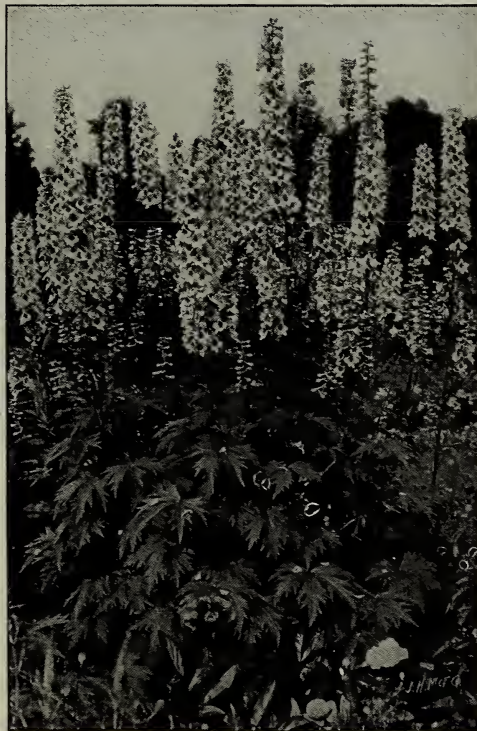
Kwanso. Double. Very free-flowering; copper-color. 4 feet. Summer. 15 cts. each, \$1.50 per doz.

Middendorffii. Deep golden yellow. 2 to 3 feet. June and July. 15 cts. each, \$1.50 per doz.

HEUCHERA sanguinea. Bright crimson, lily-of-the-valley shaped flowers. 1 to 2 feet. All summer. 15c. ea., \$1.50 per doz.

HOLLYHOCK. Finest double white, rose, pink, purple, crimson and yellow. 4 to 6 ft. Summer. 25 cts. each, \$2.50 per doz.

Allegheny. Single and double mixed. 20 cts. each, \$2 per doz.



Delphiniums



NEW JAPANESE IRIS

Iris Kaempferi grandiflora

The magnificence of these new Irises surpasses description. The flowers are of enormous size, averaging from 6 to 8 inches across, and of indescribable and charming hues and colors, varying like watered silk in the sunlight, the prevailing colors being white, crimson, rose, lilac, lavender, violet and blue, each flower usually representing several shades, while a golden yellow blotch surrounded by a halo of blue or violet at the base of the petals intensifies the wealth of coloring. The Japan Iris is perfectly hardy, and flowers in greatest profusion in June and July, and attains greatest perfection if grown in moist soil, or if plentifully supplied with water while growing and flowering. Our stock is *American-grown*, and no effort is spared to keep it true to name and color. It is thoroughly acclimated and hardy.

The varieties offered below have been chosen from a list of the finest Japanese sorts, which were tested out, and only the best and most distinct varieties grown. We offer below six of the best "double" varieties, or six-petal, and six of the "single," or three-petal sorts. Both are equally valuable as cut-flowers, for which purpose they should be cut in a bud state, permitting the blooms to expand after being placed in water.

Delivery can be made at any time desired. Early fall, however, is the best time to plant, as it gives the plant a splendid chance to get established before winter sets in. We furnish plants with three to four shoots, and all will flower the first season after planting. A great mistake is made in planting unusually large clumps of Japanese Iris, as not infrequently they die out in the center of the clump during the first winter, thereby making an unsightly effect the following summer, and necessitating lifting, dividing and replanting.

Double Varieties

- Gold Bound.** A splendid, pure white variety and, without a doubt, one of the finest.
La Favorite. Large flower; ground-color white, freely veined deep blue.
Mahogany. Deep, dark red, shaded maroon; a most beautiful variety.
Mount Hood. One of the finest light blues, shaded darker blue.
Oriole. Magnificent crimson with bright golden orange center.
Pyramid. Lilac-blue, veined white in center of each petal.

Any of the above sorts, 15 cts. each, \$1.50 per doz., \$10 per 100.

Single Varieties

- Apollo.** Beautiful pure white, center light pink.
H. von Sieboldt. Reddish, veined white, center bright yellow.
Lavender Queen. Beautiful deep shade of lavender; a splendid variety.
Ondine. White, shaded light blue toward the center.
Shadow. A grand self-color, deep purple shaded red. This variety caused considerable comment in our fields this past summer.
Toledo. White, center light purple, one that you should not fail to grow, even in a limited collection.

VARIOUS IRIS

We offer several species worthy of a trial

- Pumila hybrida cyanea.** Rich, royal purple with blackish shadings.
Excelsa. A beautiful clear yellow, shaded darker.
The Bride. Creamy white; fine, large flower.
 20 cts. each, \$2 per doz., \$15 per 100

- Sibirica.** Purplish blue flowers. Grows 3 ft. high; useful for cutting.
Alba. White, veined pale lilac.
Orientalis. Rich violet-blue; very free and one of the best.
 15 cts. each, \$1.50 per doz., \$10 per 100

GERMAN IRIS

The popular Flag Iris, or true Fleur-de-Lis. Delights in a sunny, well-drained position and, quite unlike the Japanese, if exposed to wet situations they are liable to decay. June finds this Iris at its best. When planting, observe that the growing part of the crown protrudes from the soil, and only when established should this be covered entirely.

Agnes. White, edged pale lilac.

Asiatica. Standards rich blue; falls violet-purple.

Aurea, or Canary Bird. Golden yellow.

Darius. Standards light yellow; falls purple, veined yellow and white.

Empress Victoria. Standards pale blue; falls purple.

Gloire de Hillegom. Beautiful porcelain-blue.

Innocenza. Large; pure white.

Macrantha. Blue and violet; large flower.

Mad. Chereau. Standards white, with sky-blue, feathered edges; falls white, slightly frilled blue.

Maori King. Standards deep golden yellow; falls blackish chestnut bordered gold; one of the very best varieties.

Mrs. Horace Darwin. White, slightly veined violet at base.

Queen of May. Beautiful rosy lilac.

Named varieties, 15c. each, \$1.50 per doz., \$8 per 100; Mixed varieties, 10 cts. each, \$1 per doz., \$5 per 100

IRIS PALLIDA DALMATICA

This is the grandest of all the German Irises. Color deep, clear lavender; very large flowers, sweet-scented. This Iris should be planted largely where cut-flowers are in demand, as it is certainly the best of its class. A grand Iris for massing in borders; it is superb. 25 cts. each, \$2.50 per doz., \$20 per 100.

IRIS INTERREGNA

An interesting new type, blooming earlier than the German Iris.

Fritjof. Standards pure, light lavender-blue, falls velvety violet.

Halfdan. Light cream self-color, of perfect form.

Helge. Lemon-yellow, with pearl-white center.

Ingeborg. Pure white; a grand flower.

Walhall. Standards lilac-lavender; falls velvety claret-red.

50 cts. each, \$5 per doz., one each of 5 varieties, \$2

LEONTOPODIUM alpinum (Edelweiss, or Alpine Snowflower).

This Alpine beauty is well known to tourists who have traveled in Switzerland. It is a hardy plant, and well worth a trial. It should be grown either in the rockery or in well-drained, sandy soil. 25 cts. each, \$2.50 per doz.

LYCHNIS Chalcedonica. Brilliant scarlet flowers all summer. Grows 2 or 3 feet high. 15 cts. each, \$1.50 per doz.

vespertina alba plena. This very free-flowering, double, white Lychnis is one of the best and most effective border plants, also useful for cutting; flowers during the whole summer. Very rare. 15 cts. each, \$1.50 per doz.

Viscaria fl. pl. (Ragged Robin). Deep red, double flowers, May to July; plants 1½ feet high. 15 cts. each, \$1.50 per doz.

Haageana Hybrids. White to pink and deep red; May to July. Plants 1½ feet. 15 cts. each, \$1.50 per doz.

LINUM perenne (Flax). A desirable plant either for the border or rockery, growing about 18 inches high, with light, graceful foliage and large flowers, which are produced through the entire summer. 15 cts. each; \$1.50 per doz.

LUPINUS arboreus (Yellow Tree Lupine). 10c. each, \$1 per doz.
polphyllus Moerheimi. This is one of the finest Lupines we ever had the pleasure of introducing. It flowers a long time with fine, long spikes of pink-and-white flowers, and is therefore a grand acquisition for cutting purposes, as well as for the border. 50 cts. each, \$5 per doz.

LIATRIS spicata (Blazing Star). Deep purple flowers on spikes 2 to 3 feet high. 15 cts. each, \$1.50 per doz.

MONARDA didyma (Oswego Tea). Flowers bright scarlet; plants very showy; 2 to 3 feet high; during July and August. 15 cts. each, \$1.50 per doz.

rosea (Bee Balm). A pretty rose-colored form. 15c. ea., \$1.50 per doz.

fistulosa alba. White-flowered variety. 15c. each, \$1.50 per doz.



German Iris

HARDY GARDEN PINKS

Semperflorens. Everblooming; thoroughly hardy.

Plumosus nanus plenus. Varied colors.

Essex Witch. Pure bright pink.

Souv. de Salle. Rosy pink; strong grower.

Gloriosa. New. Clear lilac-rose.

New Mound. Blush-white; finely fringed.

Her Majesty. White.

Abbottsford. Carmine-pink.

15 cts. each, \$1.50 per doz., \$10 per 100

If you are desirous of procuring the Best of the New Introductions in Dahlias and Gladioli, you should not fail to grow some of our new introductions offered on pages 84 to 92.



HERBACEOUS PEONIES

TWENTY MODERN VARIETIES

Peonies rank among the most beautiful of all hardy perennials, and no garden is complete without their charming influence. The popular interest in many parts of the world has brought a very gratifying improvement in the Peony. In the newer sorts gigantic flowers have been produced, reaching, in many instances, the large size of 7 to 9 inches in diameter and 5 to 6 inches in depth, with strong, stiff stems $2\frac{1}{2}$ to 3 feet long. The permanency of the Peony should especially recommend them to your favor; for, once planted in suitable soil, they will continue to grow better and larger each year.

Strong, well-developed roots, 4 to 5 eyes. If planted from September to November, will flower following year				earlier, with differently formed flowers which are			
	Each	Doz.		Each	Doz.		
Alba plena. Immense, pure white flowers; of robust habit and a very free bloomer.	\$0 35	\$3 50		very full, globular, rose type. Lilac-white, shading to pale violet rose toward the center.	\$1 00	\$10 00	
Berlioz (Crousse). Brilliant dark red, tinted rose; flowers very large size, imbricated. A fine dwarf grower; excellent keeper.	50	5 00		Lady Bramwell. Although of unknown origin, a splendid Peony. Beautiful early flower of glossy pink; very fragrant.	50	5 00	
Candidissima (Calot). Large, cream-white guard petals; center sulphur-yellow, with green heart, very full and compact; habit slightly drooping. The earliest of the white and yellow varieties.	35	3 50		Louis Van Houtte. (Calot.) Rich, glowing purplish pink, tipped with silver; very brilliant coloring; fragrant, medium-large flower.	50	5 00	
Couronne d'Or. (Calot.) Large, flat, semi-rose type; pure white, with a ring of yellow stamens around a tuft of center petals, tipped carmine. Medium tall, vigorous grower and free bloomer. Late.	50	5 00		Mme. Chaumy. (Calot.) Globular; soft pink, much like Lady Bramwell, only larger and later. This is one of great beauty; a good keeper, but some seasons it needs shading from the hot sun.	50	5 00	
Duchesse de Nemours. (Calot.) Guard petals white, center lemon-yellow with greenish reflex. Large, cup-shaped, full bloom. Among all Peonies there is nothing so exquisitely chaste as this variety in a half-open state. Delicately fragrant.	75	7 50		Mme. de Verneville. (Crousse.) Very full bloom, sulphur-white, broad guard petals. Very beautiful, belonging to the front rank. One of the very best.	75	7 50	
Duc de Wellington. (Calot.) Very large, well-formed, sulphur-white bloom; habit ideal; stems very firm and long. Strong grower; very fragrant. Scarce.	75	7 50		Meissonier. (Crousse.) Globular; brilliant purplish red; slightly fragrant; free bloomer; stems long; habit of plant medium tall.	75	7 50	
Edulis superba. (Lemon.) Large, loose bloom of dark pink of even color, flat when fully open; fragrant; upright, strong-growing plant. Early.	75	7 50		Monsieur Barral. (Calot.) Very large, compact, rose type; uniform, pale lilac-rose; fragrant; free bloomer.	75	7 50	
Festiva maxima. (Miellet.) In some respects this is yet a peerless flower—Queen of the Whites. Though introduced more than fifty years ago, it is almost impossible to supply the demand. Someone remarked at a great Boston show that if this flower was of a recent introduction it would be readily sold at \$5 a root. It stood well to the front with all the new and beautiful candidates for popular favor. It is an immense white flower with drops of carmine sprinkled in the center. An early bloomer and a good keeper.	50	5 00		Mons. Jules Elie. (Crousse.) Immense, globular, full flower, imbricated rosiniform; broad petals of finest, glossy, fresh pink, deeper tint at base of the petals, silvery reflex enveloping the whole bloom. Really a perfection Peony.	1 00	10 00	
L'Indispensable. A variety of unknown French origin, sent out from Holland, and greatly confused with Eugene Verdier. The two are entirely distinct, however, L'Indispensable being very much taller,				Queen Victoria. Large, full, compact bloom, with fine, broad guard petals; opens flesh-white, center petals tipped with red blotches. One of the best cut-flower varieties, as it is an exceptional shipper and keeper.	50	5 00	
				Rosea grandiflora. Beautiful pale rose; large, globular flower; very fragrant.	50	5 00	
				Rubra triumphans. (Guerin.) Very early; bright purplish crimson; large flower. Often blooms single the first year.	50	5 00	
				Van Dyck. (Crousse.) Large, globular, loose-crown flower; guard petals and center pure mauve, collar cream-white. Erect grower; blooming in midseason.	50	5 00	

HARDY PHLOX

The hardy Phloxes are, without doubt, the most important of all hardy perennials, and are now to be found in nearly every garden. They succeed in almost any kind of soil or position, and flower from early summer until late in the fall. They also improve from year to year and contain a range of brilliant colors not found in any other hardy plant. We have a very fine collection of them.

CULTURE.—Hardy Phlox may be planted in spring or fall; a mulch of old manure thrown around the roots will be of benefit to the plants. Phlox should be set out 18 inches apart, and if kept well watered will produce both individual blossoms and heads of bloom far larger than otherwise, and amply repay the extra trouble. To procure best effects, plants should be massed in from six to twelve clumps of each variety.

Ten Hardy Phloxes of Special Merit

It is difficult, out of the great number of varieties of Hardy Phlox, for the amateur who desires a limited number of varieties always to get the best. While all the varieties listed are entitled to a place in a good collection, the following ten are in every way among the best:

Elizabeth Campbell. New. Very large spikes with flowers of quite a new color; light salmon changing to pink in the center. Extra.

F. von Lassburg. 3 feet. Purest white. Best for massing.

Frau Buchner. New. Undoubtedly the finest pure white Phlox yet raised. Strong habit, individual flowers of enormous size and perfect form. Dwarf.

G. A. Strohlein. Bright fiery red with rose eye. 3 ft. This variety does not burn so badly as most of its color. A grand acquisition.

Iris. Magenta-self with violet reverse to the petals; large, much-branched truss. 2½ feet. A showy variety.

Mad. Paul Dutrie. Soft pink color, reminding one of the shade of a cattleya, suffused with white. Immense panicles of very large flowers.

F. Rosenberg. New. Fiery carmine-violet with blood-red eye. Should be added to every collection.

R. P. Struthers. Bright rosy carmine with claret-red eye. Large flowers and fine truss.

Selma. Pink with cherry-red eye. Strong habit, produces very large flowers in pyramidal trusses.

Wolfgang von Goethe. Brilliant rose with dark red shade and large white center.

25 cts. each, \$2.50 per doz., \$18 per 100

COLLECTION, one each, 10 varieties.....\$2 00

General Collection of Hardy Phlox

Alceste. Bright pink, deep red center.

Bridesmaid. Pure white with large crimson-carmine eye.

Amphitryon. Bluish lilac, tinged with purple and paler near the eye.

Charles Darwin. Salmon-pink, crimson center.

Coquelicot. Bright fiery red with rose eye.

Caran d'Ache. Bright salmon-rose.

Eclairer. A.M.R.H.S. Rosy magenta with an indistinct paler band surrounding the eye.

Epopee. XXX, R.H.S. Magenta, shading paler toward the eye.

Esperance. Pale rosy purple, with white center.

Etna. A.M.R.H.S. Fiery red with a rose eye.

Ferdinand Cortez. XXX, R.H.S. Rosy magenta with deep eye, tinged salmon round the eye.

Flambeau. XXX, R.H.S. Strawberry-red with deeper eye.

Independence. A large pure white variety.



G. A. Strohlein Phlox

Gen. Chanzy. Fiery red, starry flowers, loose-branched truss.

Gen. Van Heutz. Bright fiery red with large pale rose center.

J. H. Slocum. Rose-pink with crimson eye.

Jules Jouey. Deep bluish lilac running to white at the eye.

Mme. P. Langier. Bright red, vermilion center.

Pantheon. XXX, R.H.S. Salmon-rose with a magenta eye and a pale zone around it.

Premier Ministre. Rosy white, deep rose center; fine for massing.

Richard Wallace. White, violet center.

R. P. Struthers. Bright rosy carmine with claret-red eye.

William Ramsay. Crimson-carmine with a deeper eye.

Borden Queen. Pink, a very good dwarf border variety.

Price, any of the varieties in the General Collection, 15 cts. each, \$1.50 per doz.

Early-flowering Hardy Phlox (*Phlox suffruticosa*)

Miss Lingard. A grand white variety, which begins flowering after the middle of June and continues throughout the season. Extensively used for cut-flowers. 20 cts. each, \$2 per doz., \$12 per 100.

Phlox subulata (Moss, or Mountain Pink)

An early spring-flowering type, with pretty moss-like evergreen foliage, which, during the flowering season, is hidden under the masses of bloom. An excellent plant for the rockery, the border, and invaluable for carpeting the ground or covering graves.

Alba. Pure white.

Atropurpurea. Purplish rose.

Bridesmaid. Purplish, tinted white.

Lilacina. Light lilac.

Nelsoni. Pure white.

Rosea. Bright rose.

15 cts. each, \$1.50 per doz., \$10 per 100

ORIENTAL POPPIES

(*Papaver orientale*)

Every one is familiar with the gaudy Oriental Poppies, and doubtless many are aware that during the last few years hardy plantmen in England, Holland, etc., have been working hard on their improvement, with the result that today we have quite a host of new varieties and in many lovely colors.

PAPAVER orientale, Goliath. One of the most effective Papavers, with strong erect stems of 3½ feet, producing enormous scarlet flowers in great abundance. 25 cts. each, \$2.50 per doz.

orientale, Mahony. While the new Oriental Poppies introduced in past years are more in the lighter shades, this one is without doubt the darkest colored in cultivation. It was raised some years ago and its color is of the darkest carmine-purple imaginable, much nearer to mahogany than any other flower. 20 cts. each, \$2 per doz.

orientale, Mary Studholme. The pure salmon flowers with silvery shade and a touch of carmine at the base of the petals are of the most striking effect. 25 cts. each, \$2.50 per doz.

orientale, Oriental King. Novelty of great merit. An exceedingly fine garden plant, because of its strong stems of upright habit, carrying large crimson-scarlet flowers, which seem to consist of one perfect flower within a large and equally perfect one. 35 cts. each, \$3.50 per doz.

orientale, Princess Victoria Louise. Beautiful new variety, with pure rose flowers. 20 cts. each, \$2 per doz.

orientale, Queen Alexandra. New variety with beautiful clear rose-salmon flowers. 25 cts. each, \$2.50 per doz.

orientale, Hybrids. Showy perennials, with immense scarlet and red flowers 6 to 8 inches in diameter, on long stems borne well above the foliage. 18 inches. June. 15c. each, \$1.50 per doz.

Iceland Poppies (*Papaver nudicaule*)

No collection of Poppies would be complete without the Iceland (*Papaver nudicaule*), and, with perhaps the exception of the Shirley, certainly none of the other varieties are grown in such quantities for cut-blooms.

Single, Mixed. 15 cts. each, \$1.50 per doz.

Double, Mixed. 25 cts. each, \$2.50 per doz.

PLATYCODON. These are sometimes called Campanulas, to which they are closely allied. Form neat plants, bearing a succession of flowers on upright stems.

grandiflora coerulea. Fine blue flowers. 18 inches. June to October. 15 cts. each, \$1.50 per doz.

grandiflora alba. White. 18 inches. June to October. 15 cts. each, \$1.50 per doz.



Oriental Poppy

PRIMULA Cashmeriana. Flowers light blue with yellow eye. 10 to 12 inches. June. 15 cts. each, \$1 per doz.

Japonica. Various colored flowers of crimson, maroon, lilac, rosy pink or white, with a different-colored eye. 10 to 12 inches. Spring. 15 cts. each, \$1.50 per doz.

veris (Cowslip). Embracing a fine range of color. 10 to 12 inches. Spring. 10 cts. each, \$1 per doz.

PYRETHRUM

Hybridum fl. pl. Too much cannot be said in favor of these grand hardy perennials. Their main season of blooming is in June, but if the old flower stems are removed they will give a fair sprinkling of flowers in the autumn. The bloom is similar to that of an aster, and ranges in color from pure white and the various shades of pink and red to deep purple. Splendid for cutting, lasting a week in good condition.

Aphrodite. White.

Vance. Cream-tinted flesh.

Captain Nares. Brilliant crimson.

Uzziel. Rose.

Paul Journie. Pink.

William Krumper. Dark red.

30 cts. each, \$3 per doz.

Single Flowering. These splendid Pyrethrums have met with a steady gain in popularity; their free habit combined with the beautiful single blooms make them much in demand.

General French. Brilliant crimson.

Sims Reeves. Light pink.

Gazelle. Purple-crimson.

Comet. Bright carmine.

Agnes Mary Kelway. Bright rose.

Beatrice Kelway. Cherry-rose.

Vivid. Scarlet.

Dawn. Pearly white.

25 cts. each, \$2.50 per doz.

RANUNCULUS aconitifolius fl. pl. Fair Maids of France. Forms a branching bush 2 feet high; flowers double, pure white. May and June. 15 cts. each, \$1.50 per doz.

RUDBECKIA. Golden Glow. So well known it needs but little description; flowers double, yellow, cactus dahlia-like and are borne on stems 6 to 8 feet high, in great profusion. August and September. 15 cts. each, \$1.50 per doz.

purpurea. Giant Purple Coneflower. Flowers about 4 inches across, of a peculiar reddish purple, with a remarkably large, cone-shaped center of brown; forms bushy plants 3 feet high, and blooms from July to October. 15 cts. each, \$1.50 per doz.

SCABIOSA Caucasica. One of the handsomest hardy plants, with flowers of a beautiful soft lilac color; fine for cutting. 18 inches. All summer. 15 cts. each, \$1.50 per doz.

SPIRAEA, Gladstone. A beautiful species producing dense blooms of feathery white flowers in June. 18 inches. 30 cts. each, \$3 per doz.

SWEET WILLIAM. Double mixed, variegated, margined. 18 inches. 10 cts. each, \$1 per doz.

TRITOMA. They are hardy if given protection, but the most satisfactory method of wintering is to bury the roots in sand in a cool cellar.

Express. New; very fine variety. 15 cts. each, \$1.50 per doz.

Pfitzeri. The Everblooming Flame Flower. The freest-flowering variety in cultivation; in bloom from August to November, with spikes from 3 to 4 feet high and heads of bloom over 12 inches long, of a rich orange-scarlet, producing a grand effect either planted singly in the border or in masses. 15 cts. each, \$1.50 per doz.

Tuckii. Color bright salmon-red; one of the earliest-flowering varieties during July and August. 15 cts. each, \$1.50 per doz.

TROLLIUS. Globe Flower. Hardy perennials, flowering freely from May until August. 2 to 2½ feet.

Japonicus, Excelsior. Very deep orange flowers. 25 cts. each, \$2.50 per doz.

Caucasicus, Orange Globe. A new variety, with large, deep orange-colored flowers. 25 cts. each, \$2.50 per doz.

VERONICA longifolia subsessilis. Rich blue flower-spikes; a very handsome plant. 15 cts. each, \$1.50 per doz.

VIOLA odorata, La France. The largest and best sweet violet in cultivation. It has been introduced from France. The flowers are dark blue, with a steely cast, and have a diameter of 1¼ inches. The stems are longer than those of any other variety. 25 cts. each, \$2.50 per doz., \$15 per 100.

YUCCA filamentosa. Adam's Needle. Among hardy ornamental foliage and flowering plants this can be classed at the head of the list. Its broad, sword-like foliage and tall, branched spikes of large, fragrant, drooping creamy white flowers during June and July make it an effective plant for all positions. 25 cts. each, \$2.50 per doz, \$15 per 100.

HARDY SHRUBS

Our shrubs are all large, carefully selected plants, and can be sent by express only, purchaser paying express charges. Special prices given on quantities. The shrubs in the following list can be supplied by us on short notice. We shall be pleased to communicate with our patrons requiring a more extensive list of sorts.

Prices of all shrubs on this page, unless otherwise noted, 50 cts. each, \$5 per doz.

Calycanthus floridus (Strawberry Shrub)

An interesting shrub, having a rare and pleasing fragrance of wood and flowers; its blooms are abundant and of a peculiar chocolate color. 2 to 3 feet.

Cydonia (Japan Quince)

Maulei. Beautiful orange-colored flowers; a distinct shade; fine.
Japanica atrosanguinea. A handsome variety, with semi-double, scarlet flowers.

Caryopteris Mastacanthus (Blue Spirea)

A pretty autumn-blooming plant, producing clusters of fragrant blue flowers.

Cornus (Dogwood)

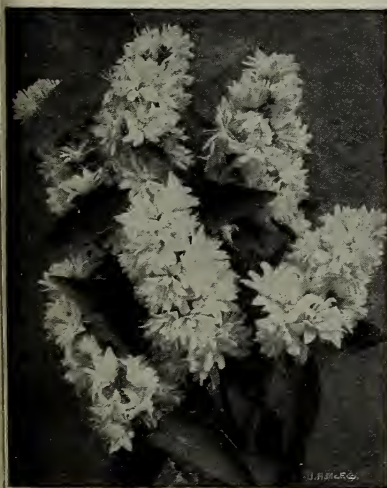
Sibirica. A rare and remarkable variety with bright red bark in winter.

Sibirica variegata. A very pretty variety having variegated foliage.

Spæthel. Foliage pale yellow and green.

Daphne Cneorum

A hardy shrub which trails over the ground in a most beautiful manner. Extra fine for any position, and, being evergreen, it is the most desirable plant we know for cemeteries. The plant is composed of spiral branches of dense evergreen leaves. The flowers are lovely pink, in clusters, and are borne profusely in early spring and during late summer and fall.



Deutzia gracilis

Deutzia

Gracilis. Of a dwarf, bushy habit; the racemes of white flowers completely cover the plants, making it one of the most attractive shrubs of the season, blossoming in June.

Lemoinei. The branches are entirely covered with erect panicles of large, snow-white flowers, quite distinct from all other Deutzias; one of the best dwarf varieties; fine for forcing.

Pride of Rochester. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit.

Waterer. A new free-flowering, double white variety.

Exochorda

Grandiflora. Pearl Bush. A fine shrub, producing large white flowers in May.

Forsythia

Viridissima. Bright yellow flowers, which appear early in the spring.

Suspensa. Yellow flowers; drooping habit.



Hydrangea paniculata grandiflora

Honeysuckle, Upright (Lonicera)

The following varieties are of erect, shrubby habit; valuable for their showy fruit. The climbing sorts will be found under head of Hardy Vines and Creepers, page 103.

Lonicera Morrowi. A very fine variety from Japan; valuable for its handsome red fruit.

L. Tatarica rosea. Pink flowers, which contrast beautifully with the foliage.

L. Tatarica alba. Forms a high bush, with creamy white, fragrant flowers.

L. Tatarica grandiflora. A beautiful shrub, producing large red-and-white flowers.

Hydrangea

Paniculata grandiflora. One of the most popular shrubs in cultivation, blooming at a time when few other shrubs are in flower. The immense panicles of pure white flowers, which appear in August, turn to a delicate pink, remaining until late in the autumn. Spikes of flowers have been known to measure 12 inches long by 22 inches in circumference. Extra-strong plants, 5 to 6 branches. Standards, about 5 feet high, extra fine, 75 cts. each, \$8 per doz.

Otaksa. Of vigorous growth, especially in rich, moist soil, heavy, dark green foliage; large heads of beautiful, rose-pink flowers, blooming freely when quite young. 50 cts. each, \$4.50 per doz.

Hibiscus (Rose of Sharon)

This has become one of the most popular flowering shrubs, coming in flower, as it does, in July or August, when few shrubs are in bloom. The entire plant is covered with beautiful double flowers, which, at a distance, look like roses. They make a very pretty flowering hedge. Three years old, in ten separate varieties, single and double, in white, blush, shaded blue, purple, red, violet, pink, shaded yellow.

Hypericum

Moserianum. The showiest of all the varieties and a novelty of decided merit. Of dwarf, half-pendulous habit; fine for massing; elegant, glossy foliage; the largest blossoms of the whole family, having orange-yellow petals and a beautiful red mass of stamens in the center and are produced freely from midsummer until hard frost.

Kerria

Japanica. A slender, green-branched shrub, covered with a profusion of globular yellow flowers from July to October.

Variegata. A dwarf variety from Japan, with small, green foliage, edged with white. One of the prettiest and most valuable of dwarf shrubs.

Lilacs

Our pot-grown lilacs will produce 10 to 15 flowers the first season.
Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, reddish purple. Pot-grown, extra-fine, \$1.25 each, \$12 per doz.

Marie Legraye. Large panicles of white flowers, valuable for forcing. The finest white Lilac. Pot-grown plants, \$1.25 each, \$12 per doz.

Souv. de L. Spæth. Panicles long; individual flowers large, single; dark purplish red; the finest of its color. Pot-grown plants, \$1.25 each, \$12 per doz.

Mahonia (Ashberry)

Aquifolia. A native shrub of medium size, with large, shining, prickly leaves, similar to those of the famous English holly, which turn scarlet in the fall; bright yellow flowers in May, succeeded by bluish berries.

Japonica. A new variety from Japan, with very broad, spiny foliage of a light green color; yellow flowers in May.

Prunus

Triloba (Double-flowered Plum). Native of China. A highly interesting and desirable addition to hardy shrubs; the double flowers are of a delicate pink, upward of an inch in diameter, thickly set on the long, slender branches; flowers in May.

Syringa (Mock Orange)

Coronarius (Garland Mock Orange). This is the popular well-known variety; very sweet, and one of the first to flower.

Grandiflorus (Large-flowered Syringa). Has very showy, large flowers, slightly fragrant; branches somewhat straggling.

Folius aureis (Golden-leaved Syringa). A very pretty plant of medium size, of golden yellow foliage. It keeps its color the entire season, and will be found valuable for creating pleasing and striking contrasts with purple-leaved shrubs.

Nanus (Dwarf Syringa). Of low habit; makes a dense, compact bush, rarely produces flowers; useful as a dwarf shrub.

Lemoinei erectus (Lemoine's Erect Syringa). A charming variety of upright growth; flowers small, yellowish white, fragrant completely covering the plant.

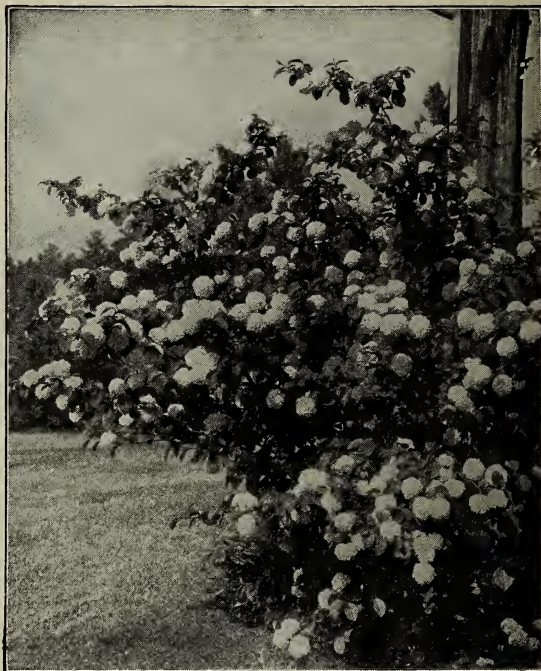
Double Deutzia-flowered. A fine double-flowering variety.

Symphoricarpos

Racemosus (Snowberry). A well-known shrub, with small pink flowers and large white berries that hang on the plant through part of the winter.



Weigela rosea



Viburnum plicatum

Sambucus (Elder)

Golden Elder. One of the most showy shrubs grown, on account of its golden foliage. Very desirable for ornamenting lawns.

Laciniata. A valuable variety, with elegantly divided leaves; one of the best cut-leaved shrubs.

Weeping. A fine, drooping variety.

Spiraea

Fortune's Rose. Has large panicles of deep rosy blossoms; grows freely and blooms nearly all summer; fine.

Anthony Waterer. A fine new dwarf Spiraea with dark crimson flowers. One of the finest shrubs of recent years. 35 cts. each, \$3.50 per doz.

Van Houttei. Without doubt the finest variety in the collection. At the flowering season in May and early June, the plant is covered with a mass of large white flowers, presenting a beautiful appearance.

Viburnum (Snowball)

Plicatum (Japan Snowball). From North China. Of moderate growth; handsome plicated leaves; globular heads of pure white neutral flowers early in June. It surpasses the common variety in several respects. Its habit is better, foliage much handsomer, flowers whiter and more delicate. One of the most valuable flowering shrubs. 75 cts. each, \$7.50 per doz.

Weigela

Rosea (Rose-colored Weigela). An elegant shrub, with fine rose-colored flowers, introduced from China by Mr. Fortune, and considered one of the finest plants he has discovered; of erect, compact growth; blossoms in June.

Amabilis, or splendens. Of robust habit, large foliage and pink flower; blooms freely in the autumn; distinct and beautiful.

Eva Rathke. A charming new Weigela, with brilliant crimson flowers; a beautiful, distinct, clear shade.

Price of all Shrubs on this page, unless otherwise noted, 50 cts. each, \$5 per doz.

SELECTED FRUIT TREES

We recommend Northern-grown fruit trees to our customers, as they will be found to give better satisfaction than Southern-grown or Western-grown trees. We furnish excellent clean trees, which, if planted carefully, are almost sure to succeed. Trees, when received, should be planted at once in rich, prepared soil, the roots being carefully separated and spread. If dry weather follows planting, the trees must be watered and mulched. Branches of last season's growth should be well cut back, thus encouraging the vigorous growth of new healthy shoots.



Apples

SUMMER VARIETIES

- ✓ **Early Harvest.** Pale yellow; medium size. August.
- ✓ **Red Astrachan.** Crimson; large; fine. August.
- ✓ **Sweet Bough.** Pale yellow; very rich. August.

AUTUMN VARIETIES

- ✓ **Fall Pippin.** Yellow; delicious. October.
- ✓ **Gravenstein.** Striped. September to November.
- ✓ **Maiden's Blush.** Yellow, with red cheek. October.

WINTER VARIETIES

- ✓ **Baldwin.** Red; large; excellent.
- ✓ **Ben Davis.** Yellow and red; large and luscious.
- ✓ **Fameuse, or Snow Apple.** Very fine.
- ✓ **King.** Crimson; extra large and fine.
- ✓ **Northern Spy.** One of the best; large.
- ✓ **Rhode Island Greening.** Excellent.
- ✓ **Roxbury Russet.** Medium size; splendid. October.

Price: XX, each \$1; XXX, each \$1.50

Crab Apples

- ✓ **Red Siberian.** Yellow and scarlet; medium.
- ✓ **Yellow Siberian.** Deep yellow; medium; fine.

Cherries

- ✓ **Black Tartarian.** Purplish black; very rich. June.
- ✓ **Governor Wood.** Yellow, with red cheek. June.
- ✓ **Yellow Spanish.** Pale yellow, with bright red cheek; large and juicy.

Price: XX, each 75 cts.; XXX, each \$1.25

Peaches

- ✓ **Champion.** Freestone; white and red; large and juicy. Excellent new sort. August.
- ✓ **Crawford's Early.** Freestone; yellow and red. September.
- ✓ **Crawford's Late.** Freestone; very large. October.
- ✓ **Elberta.** (New.) Freestone; large, handsome, golden yellow and crimson; very productive. The best early sort for market.
- ✓ **Hale's Early.** Freestone; rich and juicy. August.

Price: XX, each 50 cts.; XXX, each 75 cts.

Pears

SUMMER VARIETIES

- ✓ **Bartlett.** A splendid summer variety. September.
- ✓ **Clapp's Favorite.** Yellow and red; large. August.

Price: XX, each \$1; XXX, each \$1.50

AUTUMN VARIETIES

- ✓ **Belle Lucrative.** Green; sweet; large. September.
- ✓ **Louise Bonne.** Large; long; melting. October.
- ✓ **Seckel.** Small; one of the sweetest. September.

WINTER VARIETIES

- ✓ **Beurre d'Anjou.** Large; unsurpassed flavor. November.
- ✓ **Duchesse d'Angouleme.** Very large; rich.
- ✓ **Lawrence.** Medium; delicious quality.

Price: XX, each \$1; XXX, each \$1.50

Plums

- ✓ **Bradshaw.** Large; purple; sweet. August.
- ✓ **Coe's Golden Drop.** Large; oval; yellow. September.
- ✓ **Damson.** Small; for preserving. October.
- ✓ **Imperial Gage.** Large; oval; green; very sweet. September.
- ✓ **Jefferson.** Yellow and red; fine. August.
- ✓ **Lombard.** Violet-red; medium. September.
- ✓ **Pond's Seedling.** Violet; large and juicy. September.
- ✓ **Smith's Orleans.** Purple; very rich. September.

Price: XX, each 75 cts.; XXX, each \$1.25

Quinces

- ✓ **Apple or Orange.** Large; round; yellow.
- ✓ **Champion.** Extra large; pyriform.

Price: XX, each \$1; XXX, each \$1.50

English Pot-Grown Grape-Vines, Nectarines, Peaches and Other Fruit Trees

We import all these plants on advance orders only, and have each individual order packed separately for our customers. Our growers, Messrs. Thomas Rivers and Sons, are considered the most reliable and best growers. Varieties and prices on application.

Foreign Fruit Trees

The following list of fruits have been imported by us and grown on in our nursery, and can be relied upon to give satisfaction. If stock is desired for open-ground planting for espaliers, etc., we can strongly recommend same.

- | | | | |
|---|-------------|---|-------------|
| ✓ Apples , 10 varieties, dwarf pyramidal form, 7-year-old..... | Each \$3 50 | ✓ Pears , standard form, extra-fine shape. 7-year-old..... | Each \$3 50 |
| ✓ Apples , standard form, extra-fine shape. 7-year-old | 3 50 | ✓ Cherries , standard form, extra-fine shape..... | 3 50 |
| ✓ Pears , 10 varieties, dwarf pyramidal form. 7-year-old..... | 3 50 | | |

To prevent San José Scale, or check it if your trees are already infested, use "Scalecide," a dormant spray that should be applied any time during the winter up to April, or before the trees have started growth. Price per gallon \$1, 5 gals. \$3.25, 10 gals. \$6, 50-gal. barrel \$25.

GRAPE-VINES

We receive many flattering testimonials as to the quality of our Grape-vines.

Extra-strong, 3-year-old vines, 50 cts. each, \$5 per doz.

White Grapes

Diamond. White. Bunch large, compact, shouldered; berries large, round; skin thin, but tough; flesh tender, juicy, with but little pulp. Vine is a good grower, with thick, healthy foliage; hardy and productive; of fine quality. Ripens a little before Concord.

Green Mountain. White. Bunch medium to large, shouldered; berries medium, greenish white; skin thin, tough; pulp tender, sweet, with few seeds; of excellent quality, free from foxiness; very early. Vine vigorous, healthy, hardy and very productive. A fine Grape, identical in every way with Winchell.

Niagara. White. Bunch very large and handsome, often shouldered; compact; berries large, round; skin thin, tough, does not crack, and carries well; has not much pulp when fully ripe; melting, sweet, with a flavor and aroma peculiarly its own, and agreeable to most tastes; ripens with Concord.

Pocklington. Pale green, usually with tinge of golden yellow where exposed to the sun; bunch large, very compact; berries very large, covered with a beautiful white bloom; flesh juicy, sweet, with considerable pulp.

Red Grapes

Agawam. Red or maroon. Bunch usually loose, shouldered; berries large; skin thick; flesh pulpy, meaty, juicy, of a rich, peculiar aromatic flavor; ripens about with Concord; a good keeper. Vine a strong, rank grower, hardy and productive; should be pruned, leaving long canes.

Brighton. Red. Bunch medium to large, long, compact; shouldered; berries medium; skin thin; flesh tender, sweet, with scarcely any pulp; quality best. Vine a vigorous grower, healthy, hardy and productive; one of the best early red Grapes. The flowers have reflexed stamens and do not always fertilize fully unless planted with Concord, Worden, Martha, or other varieties which blossom at the same time. Ripens with Delaware.

Catawba. Dark red when fully ripe. Bunch large, moderately compact, shouldered; berries medium to large; skin thick, tough; flesh somewhat pulpy; with rich, vinous flavor, of best quality for both table and wine. Vine a good grower, hardy, with healthy foliage; very productive and profitable where it succeeds and matures well. Ripens too late for high latitudes.

Delaware. Red. Bunch small, compact, sometimes shouldered; berries small; skin thin, but firm; flesh juicy, very sweet and refreshing, of best quality for both table and wine; ripens with Concord or a little before. Vine hardy, productive, a moderate grower; requires rich soil and good culture. Is regarded by many as the best American Grape, all things considered. It should be in every garden and vineyard.

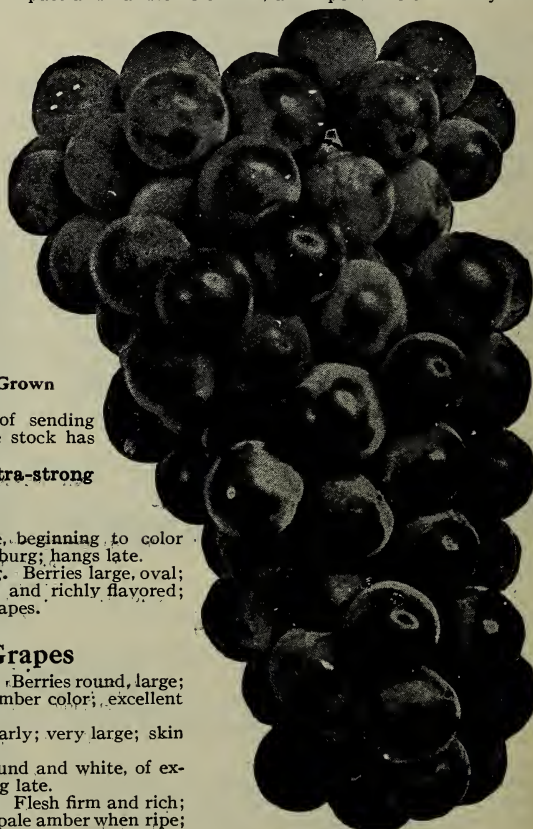
Black and Blue Grapes

Concord. Black. Early. Decidedly the most popular Grape in America, and deservedly so. Bunch large, shouldered, compact; berries large, covered with a rich bloom; skin tender, but sufficiently firm to carry well to distant markets; flesh juicy, sweet, pulpy, tender. Vine a strong grower, very hardy, healthy and productive. For general cultivation the most reliable and profitable variety.

Eaton. Black. Similar in foliage to Concord. In growth, health, and hardness of vine; in every respect its equal, while in size of bunch and berry it is much larger and more attractive. Leaf large, thick, leathery, covered on the under side with a thick brownish yellow down. Bunch very large, compact, double shouldered; berries very large, many 1 inch in diameter, round, black, covered with a heavy blue bloom, adheres firmly to the stem; skin thin, but tough; pulp tender, separating freely from the seeds and dissolving easily in the mouth; very juicy. Ripens with Concord or a little earlier.

Moore's Early. Black. Bunch rarely shouldered; not quite so large as Concord; berries larger and very much like it in flavor and quality. Vine a moderate grower; very healthy and hardy; foliage thick, leathery, somewhat resembling Concord, except on the under side, which is covered with a yellowish brown down. Produces a fair, and, with high cultivation, a heavy crop. Ripens so early as to be nearly out of market before Concord is ripe and is, therefore, a very popular early market variety. Succeeds best on rich soil.

Worden. Black. Bunch large, sometimes shouldered, compact; berries very large, skin thin. Superior to the Concord in the following points: It is better in quality, has a larger berry, a more compact and handsome cluster, and ripens five to ten days earlier.



Concord Grapes

HOTHOUSE GRAPES

Pot-Grown

Our growers, Messrs. Thomas Rivers & Sons, have the reputation of sending out only the best stock. In every instance where we have imported, the stock has given excellent satisfaction.

Strong, 2-year-old planting canes, \$5 each, \$50 per doz.; extra-strong fruiting canes, \$7.50 each, \$75 per doz.

Black Grapes

Alicante (Black Tokay). Berries very large, oval; bunch large; a good late-keeping Grape.

Appley Towers. A late black Grape, succeeding Black Hamburg; of good flavor and keeping qualities.

Barbarossa. Berries round, very large, black; flesh juicy and sweet; a very late sort.

Black Hamburg. Berries large, roundish oval; the most popular and one of the best Grapes in cultivation.

Black Muscat. (Muscat Hamburg). Berries medium size, oval; richly flavored Grape.

Gros Colman. Berries round, black, of monstrous size; flesh juicy and sweet; bunch very large; hangs late.

Gros Maroc. This Grape is now recognized as one of our finest. The berries are large,

of a deep black-purple, beginning to color as early as Black Hamburg; hangs late.

Lady Downe's Seedling. Berries large, oval; black; flesh firm, sweet and richly flavored; one of the best late Grapes.

White Grapes

Buckland Sweetwater. Berries round, large; when ripe of a pale amber color; excellent bearer.

Duke of Buccleuch. Early; very large; skin tender.

Lady Hutt. Berries round and white, of excellent quality, hanging late.

Muscat of Alexandria. Flesh firm and rich; berries large and oval, pale amber when ripe; requires heat to ripen.

CHOICE SELECTION OF SMALL FRUITS

RASPBERRIES

10 cts. each, \$1 per doz., \$7 per 100

Red Raspberries

Cardinal. This wonderful berry is a surprise in the fullness of its merits, great growth, extreme hardiness and wonderful productiveness. It will grow 10 feet high and bear accordingly, producing its choice, rich red, pure-flavored fruit in marvelous abundance. Leading horticulturists who have seen the berry say it is one of the wonders of the century.

Cuthbert. Deep, rich crimson, large to very large, very firm. One of the very best market varieties. Season medium to late. A remarkably strong, hardy and productive variety.

Miller. Bright red, large, round, of fine quality. One of the firmest and best shippers for early market. Vigorous, hardy, immensely productive.

Black and Purple Raspberries

Cumberland. Black. Very large; very similar to Gregg in quality and firmness; in hardiness and productiveness it is unexcelled.

Gregg. Black. Has been for many years the leading market berry. Large, firm, of good quality, ripening late. Exceedingly productive.

Munger Raspberry. Is beyond doubt the finest, latest and largest fancy market berry in existence. Many are substituting for this variety. Do not allow it, as there is no other *Black Cap* half so good. Send to us and get genuine Munger. Always in great demand in market, and brings the very best prices.

CURRENTS

Plant in rows 6 feet apart, and 4 feet apart in the rows, or, if to be cultivated both ways, 5 feet apart each way.

10 cts. each, \$1 per doz., \$7 per 100

Wilder (President Wilder). Bush upright, vigorous; clusters above medium length; berries averaging large; bright red; excellent, with a mild subacid flavor. Ripens early and remains bright and firm until very late. Because of its exceedingly vigorous growth, great productiveness, high quality, and remaining good so long after ripening, we recommend this as one of the best Red Currants, both for table and market.

Cherry. Bush vigorous, stocky and compact; cluster rather short, with short stems; fruit averages large; color fine, bright red; berry thin-skinned, juicy and fine-flavored. One of the most productive of the large Currants.

Moore's Ruby. Bush upright, strong-growing; cluster medium to large; berries above medium, juicy, sweet and good; clear ruby color.

North Star. Bush very vigorous, upright, somewhat spreading; clusters medium length; berries vary from small to medium or above; dark red; comparatively mild acid. Very hardy and exceedingly productive.

Victoria (Ruby Castle). Bush a very strong, upright grower; foliage rather pale bronze-green; clusters above medium length; berries medium or above, bright red, with mild acid pulp. One of the most valuable late varieties, always bringing good prices in market. Very productive.

Black Naples. Bush very vigorous, upright, moderately productive; fruit varies from small to large, averaging above medium; pulp acid, with strong flavor. An old and well-known variety. Always in demand.

White Imperial. Bush vigorous and very productive; clusters large; berries very large, sweet and most delicious. This is the best of the White Currants, and fine for the table. Equally desirable as a market Currant.



Wilder Currants

BLACKBERRIES

10 cts. each, 75 cts. per doz., \$5 per 100

Dorchester. Medium; fruit firm, sweet and high-flavored. A vigorous grower, producing large crops.

Kittatinny. A stout, erect and vigorous-growing kind. Fruit large and delicious.

Wilson's Early. Very good, large, firm, and sweet; hardy and productive, and one of the earliest in fruit.

Mersereau. A mammoth early berry; very sweet and melting, without core, and an enormous yielder.

Iceberg. One of Luther Burbank's introduction; color white. A novelty.

GOOSEBERRIES

Downing. Pale green, large, prolific and good. Best for home and market use. \$1 per doz., \$7.50 per 100.

Smith's Improved. Large, pale, greenish yellow; skin thin. Excellent quality. \$1 per doz., \$8 per 100.

Red Jacket. Bush vigorous, upright and productive. Fruit varies in size from medium to above medium. Color pale red. \$1 per doz., \$8 per 100.

Golden Prolific. Good grower; hardy; productive. Fruit large; golden yellow; excellent. \$1 per doz., \$8 per 100.

NUMBER OF PLANTS REQUIRED TO PLANT ONE ACRE

Grape-Vines

8 by 6 feet apart	907
8 by 7 feet apart	777
8 by 8 feet apart	680
9 by 8 feet apart	605
9 by 9 feet apart	538
9 by 10 feet apart	484

Currants and Gooseberries

6 by 3 feet apart	2,420
6 by 4 feet apart	1,815

Raspberries and Blackberries

6 by 3 feet apart	2,420
7 by 3 feet apart	2,075

Miscellaneous Garden Supplies

Asparagus Buncher, "Acme." No. 1 makes bunch 3 to 3½ in. diameter, length adjustable 7 to 9 in.; No. 2 makes bunch 4 to 4½ in. diameter, length adjustable 7 to 9 in. \$2.

Asparagus Knives. English Saw-tooth, \$1; American V-Shaped, 30 cts.; American Straight Edge, 30 cts.

Baskets, Rustic Hanging. Made in hexagonal shape. Each Doz.
10-inch.....\$1 75 \$15 00
12-inch.....2 00 20 00
15-inch.....2 50 25 00

Baskets, Wire Hanging.—Heavily constructed.
Each Doz.
8-inch.....\$0 50 \$5 00
10-inch.....60 6 00
12-inch.....80 8 00
14-inch.....80 8 00

Baskets, Imported English Garden—

Length	Width	Each	Doz.	Length	Width	Each	Doz.
No. 2. 11½ in.	6 in.	\$0 40	\$4 50	No. 6. 20½ in.	10½ in.	\$0 90	\$10 00
No. 4. 15 in.	8½ in.	60	6 75	No. 8. 26 in.	14 in.	1 25	14 00
No. 5. 17½ in.	9½ in.	75	8 50	No. 9. 28 in.	15 in.	1 50	17 00

Baskets, Orchid— Doz. 100
4-inch.....\$3 50 \$24 00
5-inch.....4 00 27 50
6-inch.....4 50 31 50
8-inch.....\$5 50 \$45 00
10-inch.....6 50 48 00
12-inch.....7 50 56 00

Boxes, Cardboard, Flower (Green, lock corners)—
Depth Length Width 100
No. 1. 3 in. 18 in. 5 in. \$3 00
No. 2. 3½ in. 21 in. 7 in. 5 00
No. 3. 4 in. 24 in. 8 in. 7 00
No. 4. 5 in. 28 in. 8 in. 9 00
No. 5. 5 in. 36 in. 8 in. 12 00

Boxes, Violet. No. 5. 8 in. deep, 11 in. long, 5½ in. wide, \$7 per 100; No. 10. 6 in. deep, 9 in. long, 5 in. wide, \$5 per 100.

Boxes, Corrugated Cardboard. Very heavy and durable; extensively used by florists for shipping cut-flowers.

No.	Length	Width	Depth	Doz.	No.	Length	Width	Depth	Doz.
A.	20 in.	7 in.	4 in.	\$1 20	D.	36 in.	14 in.	8 in.	\$3 00
B.	28 in.	8 in.	5 in.	1 50	E.	48 in.	14 in.	8 in.	3 50
C.	30 in.	12 in.	6 in.	2 00					

Carnation Supports. Model Extension, 2-ring, 50 cts. per doz., \$3 per 100; 3-ring, 60 cts. per doz., \$3.50 per 100.

Clips, Eureka. For fastening rose and chrysanthemum wire stakes. \$1 per box of 500, \$1.50 per box of 1,000.

Corn Knife. For cutting corn stalks or heavy grass. 35c. ea., \$3.50 per doz.
Dibble, Garden. For transplanting cabbage, celery, etc. Small size, steel point, 35 cts.; larger size 40 cts.; large size, brass point, 60 cts.

Flower Pots, Pans, Vases, Saucers and Stands

Flower Pots Standard. Best on the market.
Doz. 100
2-inch.....\$0 10 \$0 60
2½-inch.....12 80
3-inch.....15 1 10
4-inch.....35 2 00
5-inch.....45 2 70
6-inch.....\$0 75 \$4 50
7-inch.....1 25 7 50
8-inch.....1 50 10 00
9-inch.....2 00 15 00
10-inch.....2 75 20 00
12-inch.....6 00 40 00

Flower Pot Saucers— Doz.
4-inch.....\$0 25
5-inch.....30
6-inch.....35
7-inch.....40
8-inch.....50
9-inch.....\$0 85
10-inch.....1 00
11-inch.....1 25
12-inch.....1 50
14-inch.....1 75

Bulb Pans—
Width Height Doz.
8-inch 4-inch.....\$1 00
10-inch 4-inch.....1 50
12-inch 6-inch.....2 00
Width Height Doz.
14-inch 7-inch.....\$4 00
16-inch 8-inch.....5 00
18-inch 9-inch.....12 00

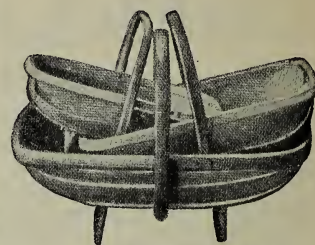
Square Seed Pans— Doz.
6-inch x 6-inch.....\$3 00
8-inch x 8-inch.....4 00
10-inch x 10-inch.....5 00
12-inch x 12-inch.....6 00

Flower Vases (Waterproof) Fiber Ware. Order by number. Inside measurements.
Diam. Depth Doz.
No. 0. 8-in. 13-in.....\$6 60
No. 1. 5½-in. 10-in.....5 70
No. 2. 4½-in. 9-in.....5 00
No. 3. 4-in. 6-in.....4 20
No. 4. 3-in. 4½-in.....3 30
Diam. Depth Doz.
No. 000. 9-in. 29-in.....\$33 00
No. 00. 9-in. 22-in.....25 00
No. 11. 5½-in. 18-in.....6 60
No. 22. 4½-in. 15-in.....5 70
No. 33. 4-in. 12-in.....5 00
No. 44. 3-in. 9-in.....4 20

Flower Pot Saucers (Waterproof) Fiber Ware— Each Doz.
4-inch.....\$0 12 \$1 25
5-inch.....15 1 50
6-inch.....17 1 60
7-inch.....19 1 80
8-inch.....21 2 00
9-inch.....\$0 22 \$2 10
10-inch.....23 2 20
12-inch.....25 2 50
14-inch.....30 3 50
16-inch.....45 4 50
18-inch.....50 5 00



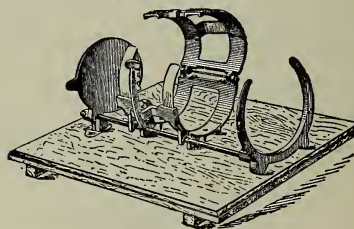
Asparagus Knives



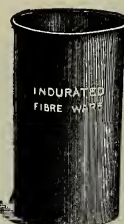
English Garden Baskets



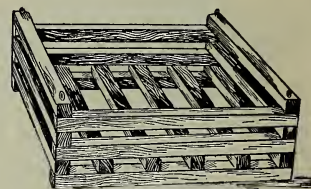
Flower Pot Saucers



Acme Asparagus Buncher



Flower Vase



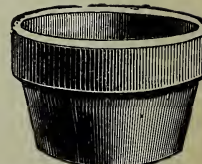
Orchid Box



Corrugated Flower Boxes



Flower Pot



Bulb Pan



Square Seed Pans

Rolling Stands for Heavy Plants—

Outside diam.	Diam. at about bottom	Each	Outside diam.	Diam. at about bottom	Each
12-in.	10 in.	\$0 60	18-in.	15-in.	\$1 00
14-in.	11-in.	70	20-in.	17-in.	1 10
16-in.	13-in.	90	22-in.	20-in.	1 35

Flower Pot Brackets. Made of steel, artistic in design, finished in black. Saucers are absolutely secured by spring clasp. Each
 No. 1A. Length of arm 8-in. Clasp will hold 5-in. pot.\$0 30
 No. 2A. Length of arm 10-in. Clasp will hold 6-in. pot. 40
 No. 3A. Length of arm 12-in. Clasp will hold 7-in. pot. 45

Flower Pot Handles and Hangers, Krick's Perfect— Doz.
 No. 0. Will fit from 2- to 3½-in. pots.\$0 20
 No. 1. Will fit from 3½- to 5-in. pots. 30
 No. 2. Will fit from 5- to 8-in. pots. 40
 No. 3. Will fit from 8- to 12-in. pots. 50

Fork, Strawberry. Useful for weeding or general garden use. 10-inch. 25 cts.

Hay. Finest quality steel; oval-shaped tines, solid steel shank, patent ferrule long and strapped. 2-tine, 50 cts. each, \$5.75 per doz.; 3-tine, 60c. each, \$7 per doz.; 4-tine, 70c. each, \$8 per doz.

Manure. Long or short handle. 4-tine, D handle, best material. \$1 each; 5-tine, D handle, best material, \$1.25 each.

Spading. 4-tine, D handle, best material, \$1 each; 5-tine, D handle, best material, \$1.25 each.

Fruit-Picker, Perfect. Galvanized wire, to fit any-sized pole. 35c.

Fumigators and Vaporizers. (See page 125.)

Garden Set, Ladies'. 3 pieces, \$1.

Garden Line. Best braided linen. 100 ft., 50 cts. Reels, 60 cts.

Garden Reel. Cast-iron, painted black, 50 cts.

Garden Reel, Eureka. This is a superior Garden Reel, made of malleable and wrought iron, well galvanized. Is very durable.

Single, Two Arms. \$1.50 each.

Double, Four Arms. \$2 each.

Gardeners' Gloves. Heavy goat, for protecting hands. \$1 per pair.

Glass Cutter, Red Devil. 10 cts., 15 cts., 25 cts. and 50 cts.

Diamond. \$3 and \$4.

Glazing Points, Van Reyper's. 65 cts. per 1,000, \$3 for 5,000. Model. 40 cts. per lb.

Siebert's Never-Rust Glazing Pegs. 50 cts. per lb.

Glazing Putty, Twemlow's Old English. Will not crack or peel. One gallon glazes 300 lineal feet. Qt. 55 cts., gal. \$1.75.

Grass Hook, Little Giant. Forged steel shank. 50 cts.

Imported English, Riveted Back. Small size, 50 cts.; medium size, 55 cts.; large size, 60 cts.

Grafting Wax. ¼lb. 10 cts., ½lb. 15 cts., lb. 25 cts., postpaid 40c.

Hoes, Draw or Garden. Extra-quality, cast-steel, oil-tempered, polished blade. 5-inch blade, 35 cts. each, \$3.60 per doz.; 6-, 7- and 8-inch blade, 45 cts. each, \$5 per doz.

Ame. Very popular tool for gardeners and florists for drilling, cultivating and weeding. Double prong, 4½-inch blade, 50 cts. **English Scuffle.** 5-inch, 50c.; 6-inch, 55c.; 7-inch, 60c.; 8-inch, 65c. 9-inch, 70c.; 10-inch, 75c.; 12-inch, 85c. Handles 10c. extra.

Weeding. Two-prong. A very useful tool for general garden work. 35 cts. each, \$3.60 per doz.

Grub. Strong for grubbing out roots, etc. 3½-lb. 85 cts., 4-lb. \$1, 4½-lb. \$1.25, including handle.

Warren. These Hoes are unequaled for hoeing, weeding, cultivating, making drills, covering seeds, etc. Small size, 65 cts.; medium, 70 cts.; large, 75 cts.

Hose, Garden or Greenhouse—

Electric. Cut in any length. 20 cts. per ft.

Wayhead. Seamless tube Hose—not a complaint from 10,000 feet sold last season. Cut in any length. 18 cts. per foot.

Wearlong. A very good cheap-price Hose that has given excellent satisfaction. 25- and 50-ft. lengths, 12 cts. per ft.

All our Hose is guaranteed for the season, and any piece found defective will be replaced immediately.

Hose Menders, Cooper's Brass. ½- and ¾-inch, 75 cts. per doz.; 1-inch, 85 cts. per doz.

Cauldwell's. Practical, simple and perfect. Box of 6 tubes, 20 bands and pliers, 75 cts.; by mail, \$1. Give size of hose when ordering. Extra tubes, ¾-inch, 3 cts. each, 20 cts. per doz.; extra pliers, 30 cts. each.

Jones' Iron. 5 cts. each, 50 cts. per doz.

Hose Nozzles, Graduating Spray. Fine or coarse. 40 cts. each.

Bordeaux Spray Nozzle. Excellent for spraying. 90 cts.

Boston. Copper face. 50 cts. each.

Fairy. Brass. 50 cts. each.

Seneca. Gives fan-shaped spray. \$1.25 each.

Boss. Very effective for use on red spider. \$1 each.

Shubert. Best made for general all-round use. Solid brass. \$2.50.

Mistry Jr. Can be used for spraying whitewash. \$1 each.

Hose Cart, No. 1. For lawn or garden; very simple in construction; easily manipulated and almost unbreakable. \$3.

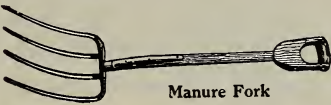
Hose Reel, K. C. All metal, tubular frame, corrugated drum to allow circulation under hose. \$2.



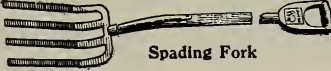
Strawberry Fork



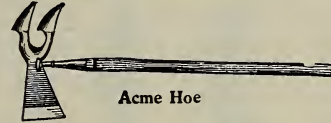
Hay Fork



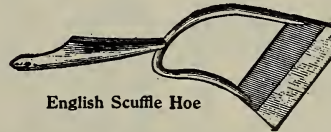
Manure Fork



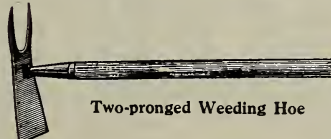
Spading Fork



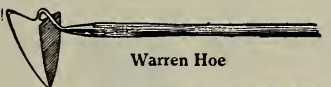
Acme Hoe



English Scuffle Hoe



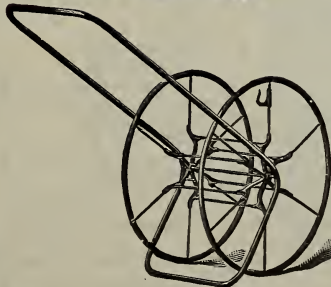
Two-pronged Weeding Hoe



Warren Hoe



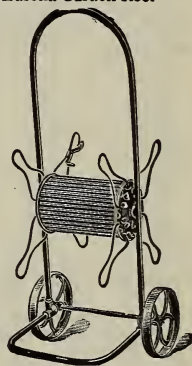
Electric Hose



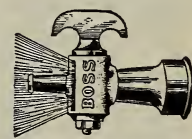
Hose Cart No. 1



Eureka Garden Reel



K. C. Hose Reel



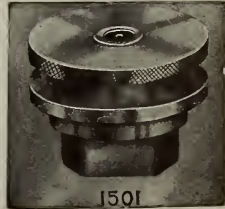
Boss Nozzle



Fairy Nozzle



Seneca Spray Nozzle



Mistry Jr. Nozzle

STUMPP & WALTER CO.'S GENERAL SUPPLIES

Scythes, Snath and Handle. Patented; best quality. 90 cts.
Stones. English Talacre Quarry. 25 cts. each, \$2.50 per doz.
Rifles. Emery coated. 15 cts. each, \$1.50 per doz.
Scissors, Grape-Thinning, 75 cts.; Flower-Gathering, 75 cts.
Shears, Pruning, S. & W. Co.'s Solid Steel. Made for long service; easily adjusted. 7½ in. \$1.25; 8½ in. \$1.50; 9½ in. \$1.75.
Pruning, French. 5½ in. \$1.25, 6½ in. \$1.35, 8 in. \$1.45, 9 in. \$1.75.
Pruning, Kunde. Strong solid steel. \$3.
Pruning, Wiss. Solid steel. 9 in. \$2, 10 in. \$2.50.
Pruning, Lady's Nickel-Plated. 5½ in. 90 cts., 6½ in. \$1.
Pruning, S. & W. Co.'s Special. Steel blades, malleable handles. 50c.
Branch, or Lopping. Three sizes, \$2.50, \$2.75 and \$3.
Grass. Full nickel, solid steel. 6-in. blade 75 cts., 7-in. blade \$1.
Grass, Imported English. Best procurable. 6½-in., bent, \$1.25.
Border and Grass-Edging. 10-in. blades \$2.50; with wheel \$2.75.
Lawn. 10-in. blades, with two wheels, \$2.75.
Hedge. Imported English, plain blade. 8-in. \$1.25, 9-in. \$1.50, 10-in. \$2; 8-in. notched, \$1.50; 9-in. notched, \$1.75; 10-in. notched, \$2.25.
Silkline. Largely used for tying in bouquet work. Fine, medium and coarse. Per spool 25 cts., \$1.50 per box of 8 spools.
Shovels, Ames' Long and D Handles. Long-strapped, round or sq. \$1.50.
Sickles' Pointed and Square. \$1.
Spades, Ames' Long and D-Handles. \$1.50.
Thermometers. While we exercise great care in packing. Thermometers travel at purchaser's risk only.
Copper Case. Spirit; easy reading. 8-in. 50 cts.
Japan Case. Scale bronze-brass, mercury. 8-in. 75 cts., 10-in. \$1.
Self-Registering Tin Case. \$2.50.
Mushroom and Hotbed. Heavy brass point, \$1.50; all copper, point may be removed and cleaned, \$2.

Stakes, Plant, Tapering, Green—

Doz.	100	3 feet	Doz.	100
1½ feet	\$0 20	\$1 25	3½ feet	\$0 50
2 feet	30	1 75	4 feet	70
2½ feet	40	2 60	5 feet	80

Chinese Cane. These are genuine Chinese canes, very strong and heavy.

100	1,000	100	1,000	
4 feet, heavy	\$1 75	\$15 00	6 feet, heavy	\$2 25
5 feet, heavy	2 00	16 00	7 feet, heavy	2 75

Japanese Cane. For staking plants and trees.

100	1,000	100	1,000	
6 feet	\$1 00	\$8 00	14 feet	\$7 00
8 feet	1 50	12 00	16 feet	10 00
10 feet	3 00	25 00	18 feet	12 50
12 feet	5 00	45 00	20 feet	15 00

Dahlia Poles—

Doz.	100	4 feet	Doz.	100
3 feet	\$0 75	\$6 00	5 feet	1 30
3½ feet	90	7 00	6 feet	1 40

Galvanized Wire—

100	1,000	4½ feet	100	1,000
3 feet	\$1 75	\$12 50	5 feet	2 75
3½ feet	2 00	14 50	6 feet	3 25
4 feet	2 25	16 00		

Tomato Supports, Wire. 32 inches high, 14 inches in diameter, made of heavy steel wire. 15 cts. each, \$1.50 per doz., \$12 per 100.
Perfection Patent Wood. 36 inches high, and 12 inches wide. Can be taken apart and stored. 25 cts. each, \$2.50 per doz.

Plant Tubs, New York Cedar. Made of the very choicest seasoned cedar, highly finished with black hoops; will last twice as long as cypress tubs

No.	Diam.	Height	Price	No.	Diam.	Height	Price
1.	12 in.	10½ in.	\$1 10	3½.	16½ in.	15¾ in.	\$2 25
2.	13 in.	13 in.	1 40	4.	19½ in.	17 in.	2 40
3.	14½ in.	13 in.	1 70	5.	22½ in.	18½ in.	3 20

Tree Tubs, Cedar. Heavy; particularly adapted for large, heavy plants.

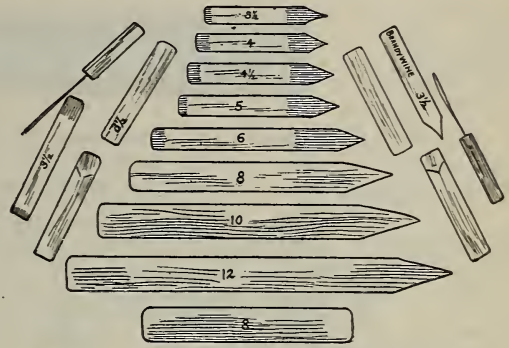
Outside diam.	Length of staves	Price	Outside diam.	Length of staves	Price		
No. 0.	27 in.	24 in.	\$6 00	No. 5.	16 in.	14 in.	\$3 00
No. 1.	25 in.	22 in.	5 00	No. 6.	14 in.	12 in.	2 50
No. 2.	23 in.	20 in.	4 50	No. 7.	13 in.	11 in.	2 25
No. 3.	21 in.	18 in.	4 00	No. 8.	12 in.	10 in.	2 00
No. 4.	18 in.	16 in.	3 50				

Trowel Maynard. Best Trowel made. 6-in. 75 cts.
Watering Pot, Haw's Pattern. No. 0, 3-qt., shelf, 9-inch spout, one pot rose and extra joint, \$2. No. 2, 4-qt., japanned, 2 roses, \$3. No. 3, 6-qt., japanned, 2 roses, \$3.50. No. 4, 8-qt., japanned, 2 roses, \$4. No. 5, 10-qt., japanned, one rose and spreader, \$4.50.

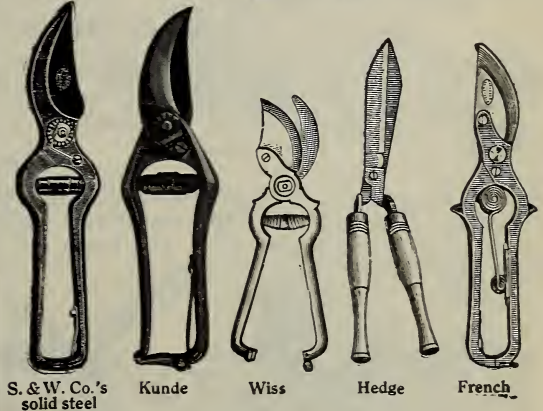
Watering Pot. Heavy galvanized, round and oval; each can has two roses—one fine and one coarse.

6-quart, round	\$2 00	6-quart, oval	\$2 25
8-quart, round	2 25	8-quart, oval	2 50
10-quart, round	2 50	10-quart, oval	3 00
12-quart, round	2 75	12-quart, oval	3 50

Weeders, Hazelting. 20 cts. each, \$2.25 per doz.; postage 5 cts. extra.
Excelsior Finger. Claw fingers. 10c. each, \$1 per doz.; postage 5c. ex.
Eureka Hand. Short handle. 25c. ea., \$2.75 per doz.; postage 10c. extra.



Labels, Wooden, Pot and Garden



S. & W. Co.'s solid steel

Kunde

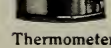
Wiss

Hedge

French



Ames Shovel Ames Spade Maynard Grass Shears



Thermometer



Perfection Tomato Support



New York Cedar Tub



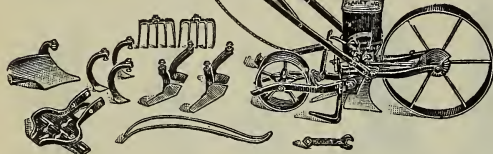
Planet Jr. Garden Tools



The New "PLANET JR." Catalogue is the handsomest, best and most instructive book ever issued on a similar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.

No. 28 Planet Jr. Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator, Plow, Rake and Marker

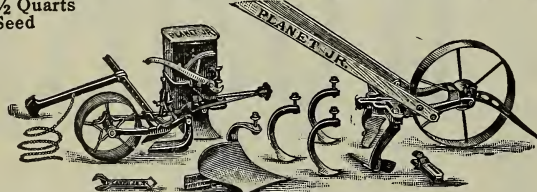
Price, \$15
Weight, 71 lbs.



No. 28 is both a hill dropper and drill seeder, and is combined with a steel frame, single wheel hoe, with the most complete equipment of garden tools ever offered.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

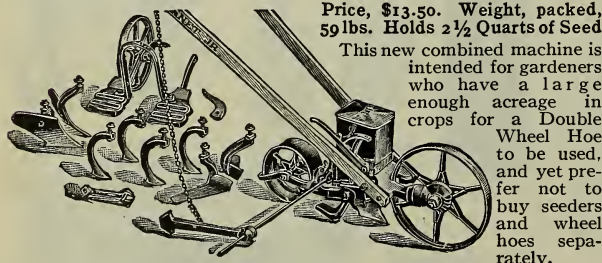
Price, complete, \$11. Weight, 49 lbs. As a Seeder only, \$9. Holds $2\frac{1}{2}$ Quarts of Seed



It is a practical, everyday, time, labor and money saver. It sows in continuous rows with great uniformity, and drops with accuracy in hills, 4, 6, 8, 12 or 24 inches apart. The feed is automatically stopped by raising the handles, and started by lowering them.

No. 25 Planet Jr. Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow

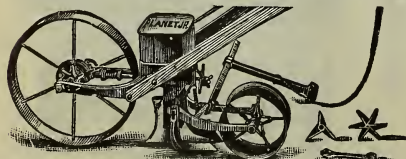
Price, \$13.50. Weight, packed, 59 lbs. Holds $2\frac{1}{2}$ Quarts of Seed



This new combined machine is intended for gardeners who have a large enough acreage in crops for a Double Wheel Hoe to be used, and yet prefer not to buy seeders and wheel hoes separately.

No. 3 Planet Jr. Hill and Drill Seeder

Price, \$10.50. 15-inch Steel Drive Wheel. Holds 3 Quarts of Seed
Weight, packed, 44 lbs.



A favorite among onion-growers, market-gardeners and seedsmen. The hill dropping is simple and reliable, making hills either 4, 6, 8, 12 or 24 inches apart.

Changes of distance between hills

may be made in less than a minute, by substituting one gauge wheel for another.

No. 30 Planet Jr. Single Wheel Hoe, Cultivator, Plow, Rake and Marker

Price, \$8. Weight, 42 lbs.

No. 30 is the Single Wheel Hoe portion of the No. 28 Seeder. The wheel, frame and handles are made of steel. Has a very full set of attachments.

STEEL
FRAME
AND
HANDLES



No. 16 Planet Jr. Single Wheel Hoe, Cultivator, Rake and Plow

Price, \$5.85. Weight, 25 lbs.



We offer these Single Wheel Hoes as the highest type of their class. They have a great variety of tools which adapt the implements to a large variety of work, and there is scarcely any garden culture of which they are not capable.

No. 17 Planet Jr. Single Wheel Hoe

Price, \$5. Weight, 23 lbs.

You can do more and better hoeing with it in one day than you can do in three days with a hand hoe. The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work.

No. 11 Planet Jr. Double Wheel Hoe, Cultivator, Plow and Rake

Price, with Attachments as in cut, \$9. Weight, packed, 37 lbs.



The Planet Jr. Double Wheel Hoes are the greatest cultivating tools in the world for the onion- and small sugar-beet-grower, and also for every grower of garden crops from drilled seed. They do more work and do it better and easier than can possibly be done in any other way. The frame is steel.

No. 12 Double Wheel Hoe, Cultivator and Plow

Price, \$7. Weight, 33 lbs.

This tool is identical with No. 11 Wheel Hoe, except that it has one pair plows, one pair hoes, four cultivator teeth and a pair of leaf-lifters only, and is sold at a correspondingly less price. The tools sold with No. 12 are what gardeners use most, and the others can be added as wanted.



Planet Jr. Garden Tools



No. 8 Planet Jr. Horse Hoe and Cultivator

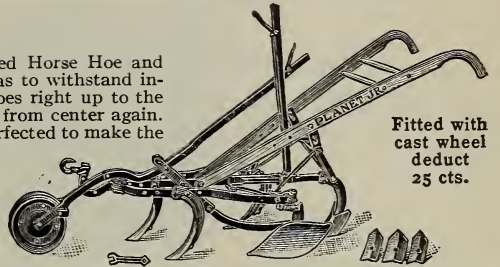
Price, with steel wheel, \$9.25. Weight, packed, 83 lbs.

No other cultivating machine is so widely known as the Planet Jr. Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle. It opens and closes furrows, hoes right up to the plants without danger of injuring, throws dirt to or from the row and throws back from center again. You can cultivate to any depth desired, and adjust for any width. Every part is perfected to make the tool acceptable to the intelligent farmer who knows the best is always the cheapest

No. 7 Planet Jr. Horse Hoe and Cultivator

Price, \$8.75. Weight, packed, 77 lbs.

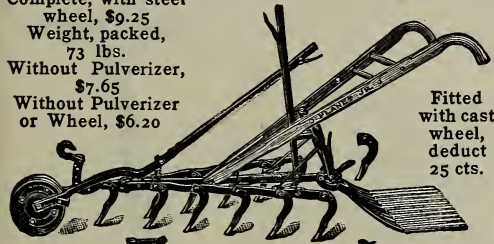
The No. 7 Horse Hoe is the No. 8 without the depth regulator. It works the same, except that it lacks the steadiness and control of depth made possible by the depth regulator.



Fitted with cast wheel deduct 25 cts.

Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer

Complete, with steel wheel, \$9.25
Weight, packed, 73 lbs.
Without Pulverizer, \$7.65
Without Pulverizer or Wheel, \$6.20



Fitted with cast wheel, deduct 25 cts.

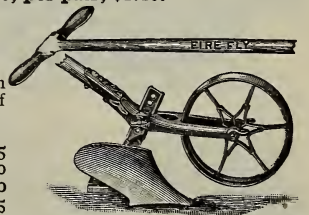
Gardeners cultivate better than formerly. It has been found to pay best. With the Twelve-Tooth Harrow you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. It's a special favorite with strawberry-growers, market-gardeners and truckers.

A strawberry runner cutter consisting of a 10-inch flat steel disc mounted on an outrigger. Extra. Price, \$1.85.

Beet Hoes for hoeing beets and all crops in rows from 15 to 30 inches. They do admirable work, leaving the ground level. Price, per pair, \$1.40.

The "Fire-Fly" Garden Plow

This tool is most useful in small gardens, opening furrows for manure or seeds, and covering them quickly. Chicken-raisers will find it very useful in plowing up the scratching-yards. The mold-board is of tempered and polished steel; the depth is quickly changed. Price, \$2.35.



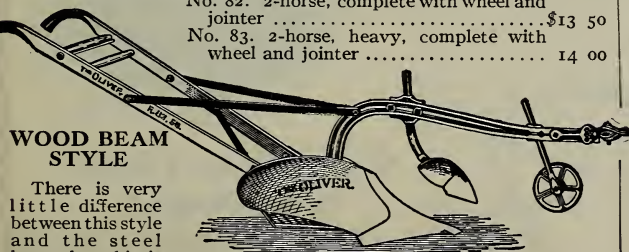
"Planet Jr." No. 13 Double Wheel Hoe.....	\$4 75
"Planet Jr." No. 18 Single Wheel Hoe. One pair 6-inch hoes only	3 50
"Planet Jr." No. 17½ Single Wheel Hoe.....	4 50
"Planet Jr." Grass Edger.....	6 25

The Oliver Chilled Plow

STEEL BEAM STYLE

This style beam has almost displaced the old wooden one; it is much lighter, more durable and not nearly so clumsy, especially suitable for using in either light soil or stony ground. The beam, mold-board and shares are the best-quality chilled steel.

- No. 82. 2-horse, complete with wheel and jointer\$13 50
- No. 83. 2-horse, heavy, complete with wheel and jointer 14 00



WOOD BEAM STYLE

There is very little difference between this style and the steel beam, but this is lower in cost. Highly desirable for light, sandy soil.

- No. A2. 1-horse, plain.....\$5 00
- No. 10. 2-horse, medium, complete with wheel and jointer.....11 50

NOTE.—No. A2 being a smaller plow does not work well with a wheel or jointer. On the other styles, if this equipment is not desired, deduct \$2 for the jointer or \$1 for the wheel.

We can also supply "South Bend" and "Syracuse" Plows.

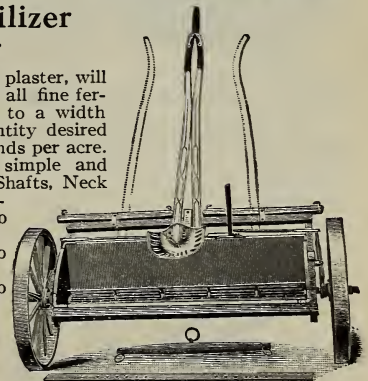
Steel Disc Smoothing Harrow



The frame measures 6 feet 8 inches by 6 feet, and has four sets of rollers, having 58 discs, 8 inches in diameter. Price \$22; one - horse size, \$21.25.

"Stevens" Fertilizer Distributor

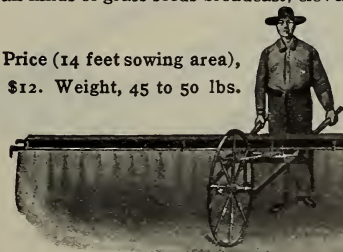
This machine in addition to plaster, will sow bonedust, ashes, lime and all fine fertilizers. It broadcasts evenly to a width of 5 feet, 10 inches, any quantity desired from 200 pounds to 4,000 pounds per acre. The adjustment is perfect, simple and strong. Combined Pole and Shafts, Neck Yoke and Whiffletrees furnished with each machine \$46 00
Machine to sow to a width of 8 ft. 3 in. \$2 50
Hand Fertilizer Distributor 12 00



S. & W. Co.'s Wheelbarrow Grass Seeders

On the market over thirty years and over 200,000 sold. For sowing all kinds of grass seeds broadcast, clover, timothy, alfalfa, Hungarian millet, rape and all small seeds. Also all chaffy seeds like red-top, orchard grass, and clean blue grass, bent grass, any quantity per acre desired. They are no experiment.

Price (14 feet sowing area), \$12. Weight, 45 to 50 lbs.



PENNSYLVANIA
Quality

LAWN MOWERS

For all classes of lawn, this line of Lawn Mowers is unsurpassed. One distinctive feature is the **BLADES**—all are crucible tool steel, oil-hardened and tempered, and every Mower is guaranteed by the manufacturer.

Pennsylvania Junior Ball-Bearing

"The perfection of Lawn Mower construction." Double train of three gears, 5 blades, raised edge, self-sharpening lower knife, dustproof, extra-hardened ball-bearings. Positively the latest in Lawn Mower building. High wheel, 10 inches.

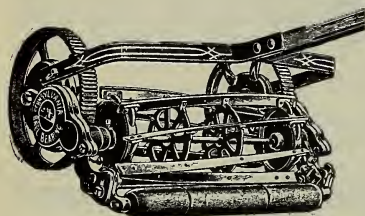
15-inch.....	\$13 00	19-inch.....	\$16 00
17-inch.....	14 50	21-inch.....	17 50

Pennsylvania Golf Ball-Bearing

"THE ARISTOCRAT"

Will shave the lawn to 3-16 of an inch, specially adapting it for golf- and bowling-greens, tennis-courts, cricket-creases, etc. The Pennsylvania is used exclusively on many of the world's most famous grounds. High wheel, 9½ inches, 7 blades. Sectional iron roller.

17-inch.....	\$20 00
19-inch.....	22 00
21-inch.....	24 00



Pennsylvania Golf Ball-Bearing

Pennsylvania Putting-Greens

ROLLER STYLE

Recommended especially for the new-style wavy or undulating greens now found in many prominent golf-courses. It is also adapted for tennis-courts, cricket-creases, and other lawns requiring a close, smooth cut, likewise for trimming borders and terraces, or the ordinary lawns. This mower will cut to 3-16 of an inch.

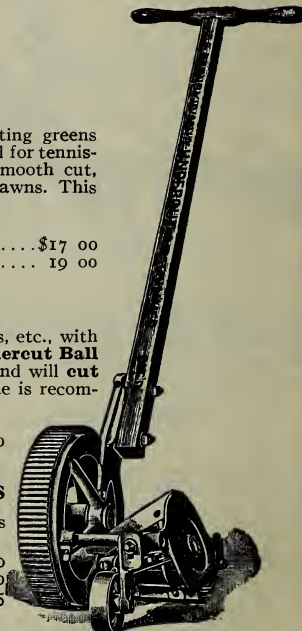
Diameter of roller, 7 inches; 6 blades; 5-inch cylinder.

12-inch.....	\$13 00	16-inch.....	\$17 00
14-inch.....	15 00	18-inch.....	19 00

Pennsylvania Lawn Trimmers

The most tiresome part of keeping a lawn up is the trimming of the edges, around trees, flower beds, etc., with hand shears. This back-breaking job can be avoided by the use of Pennsylvania Trimmers. The **Undercut Ball Bearing**, as illustrated, will get closer to a wall or projecting surface than any other style of trimmer, and will cut **under** a picket fence. Note the shape of the side plate, with the knives extending under it. This style is recommended for cemetery work, as it will not scratch or smudge the tombstones.

The Pennsylvania Ball-Bearing Trimmer has a flat side plate and is the best made of that class. Undercut B.-B., 4 knives, 5½-inch cut.....\$7 50 | Pennsylvania B.-B., 4 knives, 6-inch cut.....\$5 00

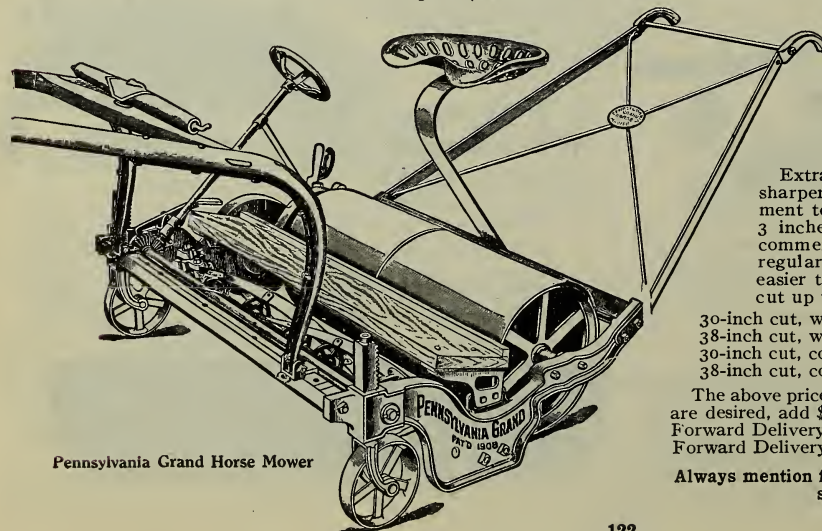


Pennsylvania Lawn Trimmer

Grass Catchers for Pennsylvania Golf- and Putting-Greens Mowers

These are in two parts, the box proper and the shield or deflector to throw the grass forward. Always state for which Mower the Catcher is wanted.

14-inch.....	\$2 70	17-inch.....	\$3 00
16-inch.....	2 90	19-inch.....	3 10
18-inch.....	3 00	21-inch.....	3 25



Pennsylvania Grand Horse Mower

Pennsylvania Grand Horse Mower

Extra-wide crucible steel blades, raised edge, self-sharpening lower knife, heavy rollers, simple arrangement to regulate the height of the cut from ¼ inch to 3 inches, and many other distinctive features to recommend it to particular people. The **Pennsylvania** regular Horse Mower is lighter in weight, and therefore easier to manage on a very hilly lawn, or a small one cut up with shrubbery or trees.

	Pa. Grand	Penna.
30-inch cut, with draft irons and handles.....	\$65 00	\$60 00
38-inch cut, with draft irons and handles.....	85 00	78 00
30-inch cut, complete with seat and shaft....	77 00	72 00
38-inch cut, complete with seat and shaft....	100 00	90 00

The above prices are for four-blade mowers; if six-blade Mowers are desired, add \$8 to the price of each machine.

Forward Delivery Grass Box, for 30-inch Mower.....\$15 00
Forward Delivery Grass Box, for 38-inch Mower.....20 00

Always mention for which Mower Grass Box is wanted—Pennsylvania or Pennsylvania Grand

LAWN MOWERS, ROLLERS AND ACCESSORIES

MOWERS

VICTORY. Ball-Bearing, High-Grade Mower

Ball-bearing, 10-inch wheels, triple gear, four-bladed reel. A 20-inch Mower can be operated as easily as a 14-inch of the old style, and lawn mown in one-quarter of the time.

14-inch.....\$9 00	18-inch.....\$11 00
16-inch.....10 00	20-inch.....12 00

EASY BORDER AND TERRACE MOWER

10-inch.....\$6 00	16-inch.....\$9 00
12-inch.....7 00	18-inch.....10 00
14-inch.....8 00	20-inch.....11 00

CHAIN-ROLLER GOLF MOWER

Specially designed for borders and golf-greens. Will cut close enough and clean enough to satisfy the most fastidious golfer. Runs easier than any other ever built. It will stay in perfect order longer than any other, and we warrant it. Net prices:

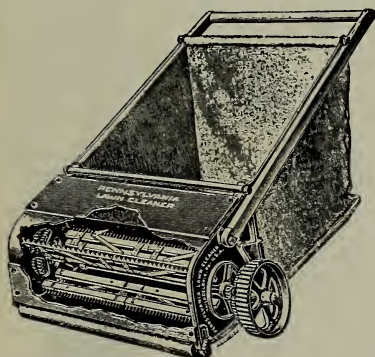
12-inch.....\$10 00	16-inch.....\$12 00
14-inch.....11 00	18-inch.....13 00

H. W. UNIVERSAL. With Ball Bearings

A first-class, high-wheel Lawn Mower at a popular price. Four revolving knives giving continuous cut; 9-inch driving wheels; drop forged steel self-locking pawls; flexible lower knife; self-sharpening. Made of best materials and fully warranted.

14-inch.....\$5 50	18-inch.....\$6 50
16-inch.....6 00	20-inch.....7 00

Pennsylvania Lawn Cleaner and Rake



There is no equipment that can take the place of this indispensable apparatus; the name "comb and brush for the lawn" has often been applied to it. The flexible rake bars are of wood, with steel springs and teeth; they rotate just like a lawn mower cylinder and clean up every particle of leaves, mown grass, litter or rubbish, throwing it into a receptacle or bag in the rear, which is of large capacity. This can be detached and emptied at will.

24-inch rake.....\$16 00	36-inch rake.....\$25 00
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Lawn Mower Success

The success of the Lawn Mower depends on the free use of oil and occasionally adjusting the screws.

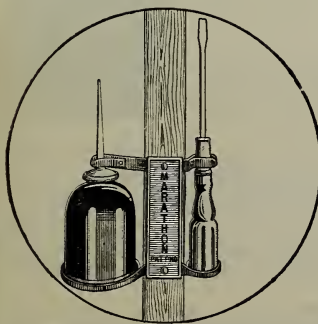
THE "MARATHON" BRACKET

holding these tools, is the one all-round practical addition to the Mower.

Takes up a small space on the handle. You cannot mislay the tools.

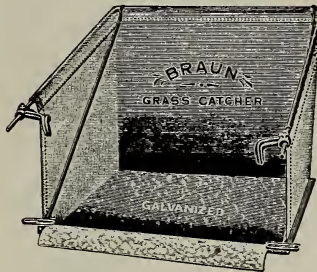
Light in weight, and for simplicity and neatness it will be found a necessary addition and a convenience. Worth all its costs.

Packed one in a box, bracket, oil-can and screw-driver complete. 75 cts. each, \$8 per doz.



Braun Grass Catchers

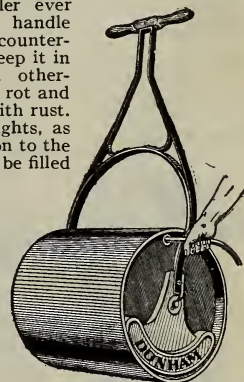
For Pennsylvania Quality Mowers



Will save raking after cutting. Canvas sides, galvanized bottom with extension to cover the roller of the mower and fit close to the lower knife. Easily detached or can be emptied by dumping forward. Sizes to correspond to size of mower. 10-in. \$1.25, 12-in. \$1.35, 14-in. \$1.50, 15- or 16-in. \$1.60, 17- or 18-in. \$1.75, 19-in. \$1.90, 21-in. \$2.

The Dunham "Water-Weight" Lawn Roller

The Dunham "Water-Weight" Roller with handle weights is the most satisfactory and serviceable roller ever produced for general purposes. The handle weights (shown in the illustration) are to counter-balance the weight of the handle and keep it in an upright position off the ground, otherwise the wooden handle bar would soon rot and metal handle frame become incrustured with rust. Insist upon a roller having handle weights, as they also add speed and ease of operation to the roller. The "Water-Weight" Roller can be filled with water or sand to the required weight. The smallest model weighs 120 pounds empty, 260 pounds filled with water, and 360 pounds filled with sand. The Dunham "Water-Weight" Roller is electric welded, making the water section one solid drum. No rivets are used, it cannot leak. The rolling surface is perfectly smooth. **All Dunham Rollers are roller-bearing.** The axles are high-carbon steel, perfectly round, and revolve in roller-bearings of the same style as used in automobile construction. Actual tests have proved that the Dunham Roller-bearing Roller can be operated with 44% less energy or power than is required to run any other roller. The "Water-Weight" feature enables the weight of the Dunham Roller to be adjusted to the conditions of the soil to be rolled and the strength of the operator. The Dunham "Water-Weight" Roller can be filled without standing it on end. Even the largest size can be operated by one man. Diam. Length Weight Filled with



Fill with Water or Sand

No.	Diam. Inches	Length Inches	Sections	Empty	water	sand	Price
No. 2.....	14.....	20.....	1.....	120.....	260.....	360.....	\$10 00
No. 4.....	18.....	24.....	1.....	135.....	360.....	560.....	13 00
No. 6.....	24.....	24.....	1.....	185.....	560.....	860.....	17 00

Prices on 2-section "Water-Weight" Lawn Rollers, in larger sizes, on request.

Horse-Drawn Lawn and Golf Roller

This style of roller is designed for use on large areas and heavy work. It is furnished with shaft and swingle-tree. The operator's seat is all steel with double-leaf seat spring. It rides comfortably.

The weight box is all steel with steel frames. The axle is heavy machine steel, lathe turned. The machine is full Dunham quality throughout.

Length and weights precisely as listed.

No.	Diam. inches	Length inches	Face Sections	Weight pounds	Cubic Feet	Price
K440.....	24.....	30.....	3.....	10.....	650.....	16.....\$43 00
K441.....	24.....	40.....	4.....	10.....	800.....	20.....52 00
K442.....	24.....	50.....	5.....	10.....	950.....	24.....61 00
K443.....	28.....	30.....	3.....	10.....	800.....	18.....52 00
K444.....	28.....	40.....	4.....	10.....	1,000.....	24.....64 00
K445.....	28.....	50.....	5.....	10.....	1,200.....	30.....76 00

Any of the above Rollers can be made to weigh 50 to 600 pounds heavier than weights given, for which add 5 cents per pound; or at 4 cents per pound we will furnish 50-pound flat weights, which can be conveniently placed in the weight-box when additional weight is required, and removed when it is not.

REMEDIES FOR INSECTS AND FUNGUS

Aphine. Effective against all soft-bodied and plant-sucking insects, such as green, black and white fly, red spider, thrips, mealy bug, brown and white scale. Used as a spray when diluted with water in the proportions as directed on each can. Endorsed by professional gardeners and commercial growers of reputation. An insecticide which can be used indoors and in the garden. An excellent cleanser for house plants. Gal. \$2.50, qt. \$1, pt. 65 cts., ½pt. 40 cts., ¼pt. 25 cts.

By special arrangements with the manufacturers, we can send the following sizes express prepaid: Qt. \$1.25, pt. 75 cts., ½pt. 50c.

Aphis Punk. Used for fumigating in greenhouses, giving off dense fumes of nicotine. Box, 12 rolls, by mail, 75 cts.

Arsenate of Lead. For all leaf-eating insects. Guaranteed not to injure the foliage. Three pounds will do the work of four pounds of other brands, and will not readily wash off. Guaranteed to contain an average of 20 per cent arsenic. Lb. 25 cts., 2 lbs. 40 cts., 5 lbs. 90 cts., 12½ lbs. \$2.10, 25 lbs. \$4.10, 50 lbs. \$8.

Quick Bordeaux. Is entirely different from all ordinary prepared fungicides, due to the unique manner in which the chemicals are placed in the bags, whereby they keep fresh and strong as long as kept dry. Directions for use: Instruct the least-experienced man about the place to hang one bag of Quick Bordeaux in a 50-gallon barrel of water and squeeze it until the contents are dissolved. One man and one barrel only are required. Will stick to foliage. Lb. can, 25 cts., makes 5 gallons spray; 5-lb. can \$1, 10-lb. bag \$1.25, 50 lbs. \$6, 100 lbs. \$11.

Bordeaux Mixture. One part dilutes with 50 parts of water. Qt. 40 cts., gal. \$1, 5 gals. \$4.50.

Borowax. The fruit-grower's friend. A complete protection against borers if properly applied to peach, plum, apple, pear and quince trees. Qt. 35 cts., ½gal. 60 cts., gal. can \$1, 6 gals. \$5, ¼bbl. \$20, bbl. \$35.

Bug Death. Largely used instead of paris green. It is claimed to have the same effect. The manufacturers say that it acts as a fertilizer as well as an insecticide. It comes in powder form, and is applied pure. Not poisonous to persons. Lb. 15 cts., 3 lbs. 35 cts., 5 lbs. 50 cts., 12½ lbs. \$1, 100 lbs. \$7.50.



We recommend the Dickey Bug Death Duster for use in applying Bug Death, dry, to small flower- or vegetable-gardens. It is a mighty handy thing to have around the house. 25 cts.

For farm use the **Acre-an-Hour Sifter** is ideal for applying Bug Death dry. It is the very latest, a remarkably effective and distinctly economical method. Easy to operate and gives quick covering to all plants and vines requiring a top application. The price for this especially useful farm utensil is 75 cts.



"Cattle Comfort." Protects horses, cattle, dogs, etc., from flies, gnats, mosquitos, horse-flies and other insects; is healing to sores, destroys head-lice on fowls, etc. Qt. 45 cts.

Copper Solution Ammoniated. A fungicide the same as bordeaux mixture, the essential ingredient, carbonate of copper, being dissolved in ammonia in this, while in bordeaux it is counteracted by lime. Bordeaux is the cheaper and most popular for all ordinary purposes, but for late sprayings, when fruits are nearing maturity, or plants in bloom, Copper solution is usually used, as there is no limy sediment left to be washed off by rain or hand before marketing. One quart is sufficient for 25 gallons of spray. Qt. 75 cts., gal. \$1.75.

Cutworm Food. The one best food for the destruction of cutworms. It is simple and easy to use. It consists of a material that is more delicious and is much more preferred by the cutworm than the plants themselves. It is sprinkled on the ground around the plant just as it is found in the package. For plants started from seed, it is applied as soon as the first plants break ground; for plants started in a seed-bed, it is applied just after setting, such as tomatoes, cabbage, egg-plants, cauliflower, tobacco and flowers. The one-pound package is a very convenient size to use for small gardens and flower-beds. Directions how to use on each package. Lb. package 25 cts., 5 lbs. 85 cts., 10 lbs. \$1.35, 25 lbs. \$3.10, 50-lb. sack \$4.50, 100-lb. sack \$8.50.



Fir-Tree-Oil Soap. A formula of fir-tree oil, prepared in soap form and preferred by some. It will do all claimed for the fluid preparation. ½lb. tins 25c., 2 lbs. 75c., 5 lbs. \$1.80, 10 lbs. \$3.50.

Fungine. An infallible remedy for mildew, rust, wilt, bench-rot and other blights affecting flowers, fruit and vegetables. Highly endorsed by leading growers. It is equally effective under glass and out-of-doors. A spraying material which is diluted with water, and does not stain the foliage. Gal. \$2, qt. 75 cts., pt. 50 cts., ½pt. 35 cts.

By special arrangements with the manufacturers, we can send the following sizes, express prepaid: Qts. \$1.15, pt. 75c., ½pt. 50c.

Grape Dust. For mold, mildew, or rust-mites, either in the green-houses or open air. 5 lbs. 40 cts., 10 lbs. 70 cts., 25 lbs. \$1.50.

Hellebore, Powdered. Good for exterminating currant worms. ½lb. 15 cts., lb. 25 cts., 5 lbs. \$1.

Herbicide. See Weed-Killers, next page.

Kerosene Emulsion. Diluted in water, this makes an excellent spray for mild forms of scale and soft lice of any kind, such as infest rose and fruit bushes, vegetables and trees. Liquid diluted one part to twenty parts of water. Liquid. Qt. 30 cts., gal. 85 cts., 5 gals. \$3.50.

Lemon Oil. Odorless and poisonless; one to thirty to fifty parts of water. Destroys mealy bug, scale, thrips, red spider, black and green fly, caterpillar, etc. ½pt. 25 cts., pt. 40 cts., qt. 75 cts., ½gal. \$1.25, gal. \$2.

Lime-Sulphur, Bowker's Concentrated. One gallon makes 10 gallons of spray; dilute with cold water. Gal. 75 cts., 5 gals. \$2.25, 10 gals. \$4, 25 gals. \$6.50.

Nicoticide. Used as a spray or as a vapor, principally in the latter way. We have a special lamp which has a tin saucer above it in which is placed the material (quantity to be determined by cubic feet of air space in the greenhouse) and the nicotine fumes are thus distributed. It is very effective in destroying thrip, aphid, white fly, red spider, etc. ¼pt. 70 cts., ½pt. \$1.25, pt. \$2.50, qt. \$4.50, ½gal. \$8.25, gal. \$15.

Nico-Fume Liquid. This preparation is used similar to Nicoticide, and is used by many of the leading growers. ¼lb. can 60 cts., lb. can \$2, 4 lbs. \$7, 8 lbs. \$13.50.

Nico-Fume Paper. This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. It is also used for tying near blooms of chrysanthemums in early fall to keep down insects. Preferred by many who do not wish to spray or vaporize. Box of 24 sheets \$1, box of 144 sheets \$4.50, box of 288 sheets \$8.50.

Nikoteen. One of the milder forms of tobacco or nicotine preparations, used extensively for spraying; also for vaporizing. Pt. \$1.50, 10 pts. \$14.

Nikotiana. Is a twelve per cent solution for vaporizing and spraying. Less concentrated than other nicotine products, it is nevertheless equally effective at proportionate strength and fully as economical. Where a nicotine solution is desired, Nicotiana will meet all the requirements. Qt. \$1.50, gal. \$4.50.

Paris Green. Lb. 40 cts., 5 lbs. \$1.75.

Pyrox. (Bowker's). The one best and safest all-round spray which kills all leaf-eating insects

and prevents blights and all fungous troubles, without injury, on fruit trees, grape-vines, currant bushes, potatoes, cantaloupes, cucumbers, and other garden vegetables, also on rose bushes, shrubbery, etc. It is a creamy paste which looks like paint and "sticks like paint." It needs only to be mixed with cold water and it is ready to apply. Once tried, always used. Lb. 25 cts., 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$4, 50 lbs. \$7.50, 100 lbs. \$13.50.

Readeana. Rose-bug exterminator. A poisonous preparation which dilutes in water. Used for destroying rose bugs, green fly, mealy bug, blight, mildew, etc. Small package 50 cts., large package \$1.

Scalecide. Soluble crude oil. Used for the destruction of the San José scale. Dilute at the rate of one gallon, to twenty gallons of water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. This preparation is perhaps the best known and is very widely advertised. Orchardists throughout the country use it in large quantities. Trees may be sprayed in winter and early spring before they start to come to bud. Qt. 45 cts., gal. \$1, 5 gals. \$3.25, 10 gals. \$6, 30-gal. bbl. \$16, 30-gal. jacketed tin \$15, 50-gal. bbl. \$25.



We shall be pleased to send a circular telling all about scalecide, free on request.

REMEDIES FOR INSECTS AND FUNGUS

Scaleine. A scale-killer, insecticide and fungicide combined—three in one—which is composed of a high-grade petroleum combined with the properties of our fungicide, Fungine. Can be applied in the growing season as safely as in the dormant season to all trees, shrubs and hardy plants. It is used at a strength of one to twenty parts water for scale; one to fifty parts water for other sap-sucking insects. Scaleine is an effective winter spray for San José and other scale; a summer spray for aphids, thrips, red spider and the various fungi affecting trees and shrubbery. Mixing readily with water, containing no sediment, it can be applied with the finest spray nozzle. Use it for your winter spraying of trees. It will soon convince you of its merits. Gal. \$1.50, 5-gal. keg \$6.25, 10-gal. keg \$10, bbl. (50 gallons) \$37.50.

Slug-Shot. The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable- or flower-garden. 5 lbs. 35 cts., 10 lbs. 60 cts., 100 lbs. \$6.

Sulphur. Used principally in greenhouses for checking mildew (see below for Campbell's Sulphur Vaporizers). Lb. 10 cts., 5 lbs. 40 cts., 10 lbs. 60 cts., 100 lbs. \$5.

Sulpho-Tobacco Soap. For plants, trees, cattle, poultry, etc. 3-oz. pkg. 10 cts., 8-oz. pkg. 20 cts.

Tar Liquid. A preparation of liquid tar, used for healing wounds on trees. Very highly recommended. Gal. 75 cts., 2 gals. \$1, 5 gals. \$2.25, 1/2 bbl. (30 gallons) \$9, bbl. (50 gallons) \$12.50.

Tobacco Dust (Kilmdead). The best of the Tobacco dusts for dusting or fumigating. Lb. 10 cts., 5 lbs. 40 cts., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.

Tobacco Stems. Used for fumigating and under benches in greenhouses. Bale of 100 lbs. \$1.50.

Tree Tanglefoot. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Lb. 30 cts., 3-lb. can 85 cts., 10-lb. can \$2.65, 20 lbs. \$4.80.

Vermine. A soil sterilizer and germicide for all soil vermin, such as cut-, eel-, wire- and grub-worms, slugs, root-lice, maggots and ants. Use one part of Vermine to four hundred parts of water, thoroughly soaking the ground. It does its work effectively without injury to vegetation, and protects your crops and lawns against the ravages under the soil. Gal. \$3.50, 5-gal. keg \$12.50.

Weed-Killer. See Herbicide, also "Target Brand" Weed-Killer.

Worm Eradicator, Reade's. When applied, the worms will immediately rise to the surface of the ground of flower-bed, or will fall off the trees, fruits or flowers, and in a few minutes will die. 25-ct. bottle makes 5 gallons; 50-ct. bottle makes 10 gallons; \$1 bottle makes 25 gallons.

Whale- or Fish-Oil Soap. For mild forms of scale, and is an excellent summer spray, when something stronger cannot be used, where the San José scale exists. It is good for washing off lemon trees, oleanders and almost anything that would be infested with a soft-

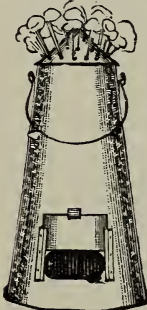
Whale- or Fish-Oil Soap, continued

shelled or in fact almost any kind of insect. Dissolved in water according to various purposes. Lb. 20 cts., 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 100 lbs. \$6.50.

X-L-ALL LIQUID INSECTICIDE. Destroys mealy bug, scale, thrip, red spider, green and black fly, caterpillars, blight and all insect pests in the garden; it is perfectly safe to use on tender plants. For the winter dressing of vines, figs, peaches and other fruit trees, it has been proved to be the safest and most valuable preparation in the market. Leaves the foliage bright and clean, and much improved in appearance. Qt. \$1, 1/2 gal. \$1.75, gal. \$3.50.

X-L-All Vaporizing Compound. Used very extensively abroad for vaporizing. No. 1 size, \$2.25; No. 2 size, \$4.50.

Vaporizing Lamp, Defiance. Practical and indestructible; all metal; burns kerosene; used for dispensing fumes of Nico-Fume and other preparations of this sort. 50 cts. each.



Eureka

Fumigators and Vaporizers

Fumigator, "Eureka." For fumigating with tobacco stems.

No. 1, holds 1/2 peck stems.....\$1 50
No. 2, holds 1 peck stems.....2 00
No. 3, holds 1/2 bushel stems.....2 50

Vaporizing Lamp, Defiance. Practical and indestructible; all metal; burns kerosene; used for dispensing fumes of Nico-Fume and other preparations of this sort. 50c. each.



Defiance

Vaporizer, Campbell's Patent Sulphur.

Designed to vaporize sulphur in greenhouses without danger. Most useful for killing mildew and other fungous diseases.

No. 1, for houses up to 5,000 cubic feet of space.....\$6 00
No. 2, for houses up to 10,000 cubic feet of space.....7 50

Glass Balls for above. Box of 6, 15 cts.

Yellow Powder. Tin, 20 cts.

Hollow or Solid Wicks, for either size 15 cts.



Sulphur Vaporizer

TWO EXCELLENT WEED-KILLERS

"Target Brand" Weed-Killer. Is a most effective solution of high-grade chemicals, combined by a secret process. The dilution is one to fifty parts of water, made so easily that a boy or child can attend to it. A remedy that not only reduces the amount of labor, but does it at about one-tenth the cost. A gallon, diluted, is sufficient to cover a space 100 to 150 square yards. Application is best made with a watering-can to insure uniform distribution, the most advisable time being after a rain, which is when weeds start to sprout and grow. "Target Brand" Weed-Killer effectively destroys the roots as well as the top-growth, and single applications last almost an entire season. Full directions as regards quantities needed, are printed on each container. Qt., makes 51 qts., 50 cts.; 1/2 gal., makes 25 1/2 gals., 75 cts.; gal., makes 51 gals., \$1.25; 5 gals., makes 255 gals., \$5; 10 gals., makes 510 gals., \$10; bbl. (50 gals.), \$35.

Herbicide. A liquid preparation for the killing of weeds of every kind on roadways, paths, gutters, tennis-courts. May be applied by means of sprinkling apparatus of any kind from the small sprinkling can to the large street-sprinkling wagon. It is harmless to stone, woodwork or shoes, and is perfectly odorless.

One thorough application not only kills weeds, but also the roots of the weeds, and affects the soil so that it is impossible for weeds to grow for several years after the application. It also binds and lays the dust. There is no danger to surrounding vegetation, as the liquid tends to go down in the ground rather than spread. Each gallon is sufficiently strong to make forty gallons of effective treating liquid when mixed with water. Gal. \$1.50, 2-gal. keg \$2.75, 5-gal. keg \$5.50, 10-gal. keg \$10, 25-gal. cask \$24, 48-gal. bbl. \$35. Full directions accompany each package.

CHARCOAL, COCOANUT FIBER, PEAT AND MOSS

Charcoal. For prices and sizes, see page 127.

Cocoanut Fiber. Excellent material for use in growing bulbs without drainage. 5 lbs. 20 cts., 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2.

Leaf-Mold. Used for preparing rhododendron beds. Bbl. \$3.

Moss, Live Green Sphagnum. Freshly gathered in season. Bbl. \$2.50.

Moss, Dry Sphagnum. Large bale \$3.

Moss, Sheet, Natural Green. For covering the pots or tubs of large plants; sheets range in size about 1 foot wide and from 2 to 5 feet long. Bale, about 2 bus., \$5.

Peat. (Osmundi.) For orchids. Bbl. \$2.50.

Peat, Rotted, Fibrous. An excellent material for mixing with potting soil for many plants. This peat has been dug from an old bog and exposed for a number of years until it has become thoroughly decayed. Bbl. \$2.50.

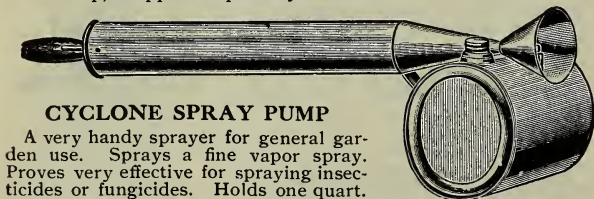
Sprayers for Applying Insecticides and Fungicides



AUTO-SPRAY

Convenient, durable, efficient. Our patented leader of spray apparatus for small uses. Will do better work and do it easier than any other similar article. Useful with Bordeaux and all solutions, also in applying cold water paints or whitewash. Holds four gallons. Illustration shows our new "Auto-Pop" attachment which doubles the efficiency by saving half the solution and labor. Our "Anti-Choke" Nozzle, cleaned at every operation of "Auto-Pop," can never clog. Tank made of galvanized steel or brass. High-grade hose. Heavy self-contained pump, all brass. Nipple connections, nozzle, etc., turned from solid brass rod with full threads. Castings for handle, etc., all malleable. No continuous pumping as in the cases of the Knapsack Sprayer, no continuous pumping or slopping as in the case of the bucket pump. A few strokes of plunger compresses enough air to cover a quarter acre of potatoes or similar crop. The operator simply holds the nozzle. Also used for spraying disinfectants. A practical machine for potatoes, tobacco, small fruits, vineyards, poultry-houses, greenhouses, etc. Extension pipes useful for spraying tall trees. Detailed descriptive circular on request.

"Auto-Spray," No. 1, Brass Tank, with Stop Cock \$6 75
 "Auto-Spray," No. 1, Brass Tank, with "Auto-Pop," ... 7 25
 "Auto-Spray," No. 1, Galvanized Tank, with Stop Cock 4 50
 "Auto-Spray," No. 1, Galvanized Tank, with "Auto-Pop" 5 00
 "Auto-Pop," supplied separately 1 50



CYCLONE SPRAY PUMP

A very handy sprayer for general garden use. Sprays a fine vapor spray. Proves very effective for spraying insecticides or fungicides. Holds one quart. Tin, 50 cts.; brass, \$1.

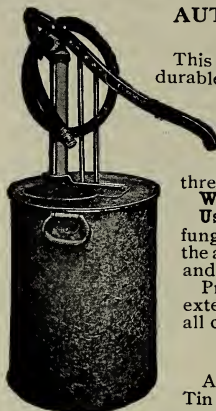
S. & W. CO.'S "FRUITALL" SPRAY PUMP

The "Fruitall" illustrated herewith has been designed especially to meet the demand for a low-priced sprayer combining the necessary durability, efficiency and strength.

Outfit C. Sprayer with agitator and one lead 15 feet $\frac{1}{2}$ -inch discharge hose, with "Mistry" or "Mistry Jr." spray nozzle. Price, without barrel, \$13.50.

Outfit D. Sprayer with agitator and two leads, 15 feet each, $\frac{1}{2}$ -inch discharge hose, with "Mistry" or "Mistry Jr." spray nozzle. Price, without barrel, \$16.

If Agitator is not wanted, deduct 75 cents from the list. We supply barrel and mount sprayer on same, for \$3.50 extra list; but the barrel is not furnished unless specially ordered.



AUTO-SPRAY, WHITEWASH AND PAINT MACHINE

This is warranted the most powerful and most durable machine in its class.

Tank.—Extra heavy galvanized steel; holds 8 gallons, and has reinforced cover.

Pump.—All brass but handle-fittings; cylinders extra heavy, $1\frac{1}{2}$ inches in diameter, both air and pump; ball valves and three-ply hose.

Weight.—Net 20 pounds, shipping 35 pounds.

Uses.—Suitable for spraying insecticides and fungicides on trees, shrubs and vines, as well as the application of whitewash or cold-water paints, and will do the work of five men with brushes.

Price, complete with 8 feet of hose, 8-ft. iron extension and one Vermorel nozzle suitable to all classes of spraying. \$12.

COMPRESSED-AIR SPRAYER

An excellent hand compressed-air sprayer. Tin Tank, 85 cts.; Brass Tank, \$1.50.

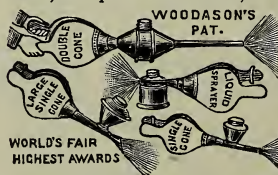
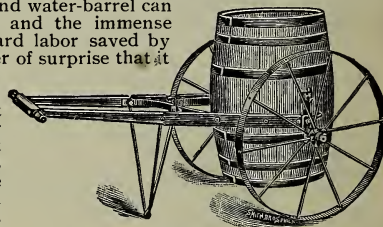
S. & W. CO.'S BUCKET SPRAY PUMP

Bordeaux Brass Garden and Spray Pump is especially designed for spraying in gardens and greenhouses. Has adjustable foot-piece to fit different size buckets, with 3 ft. $\frac{3}{4}$ -in. hose and spray nozzle. \$3.75.

S. & W. CO.'S TRUCK, LEAF-RACK AND WATER-BARREL COMBINATION

When we consider the almost innumerable uses to which our combined truck, leaf-rack and water-barrel can be put, its handiness and the immense amount of time and hard labor saved by its use, it is not a matter of surprise that it is steadily growing into popular favor. It is one of those articles that cause the user to wonder how he ever did without it, as it really becomes indispensable when once used. Price, truck and barrel, as in cut, with $2\frac{1}{2}$ -in. tire wheels, \$11;

with handy cart box, length 37 x 23 $\frac{1}{2}$ in. wide by 8 in. deep, \$3 extra; with leaf-rack, 42 in. long by 28 in. wide by 21 in. deep, \$5 extra. Price, complete with truck, water-barrel, box and leaf-rack. \$19.



BELLOWS, WOODASON'S

Powder, small size \$1 25
 " large size 2 25
 Liquid, small size 1 50
 large size 2 25

Double Cone Powder Bellows. For dusting plants with dry powders for insects and fungus. \$3.25.

SYRINGES

No. 10. Barrel 18 in. long, one coarse and one fine spray rose and one stream jet with patent valve and elbow joint. \$6.

No. 11. Similar to No. 10, without patent valve. \$4.75.

No. G. Barrel 16 in. long; diameter $1\frac{1}{2}$ in., open rose, one spray rose and jet, one side attachment with angle joint. \$4.50.

No. 2. Barrel 13 $\frac{1}{2}$ in. long; one coarse and one fine spray and one stream rose; solid brass. \$4.50.

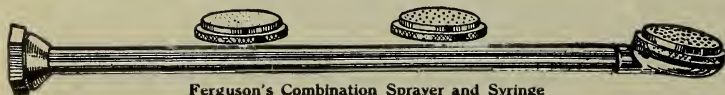
No. A. Barrel 12 in. long; one spray and one stream rose. \$2.50.

No. H. Barrel 16 in. long, $1\frac{1}{2}$ in. diameter with fixed spray rose. Sheet brass. \$2.75.

Abol Syringe. An excellent brass hand syringe with angle neck attachment. No. 6, price \$7.50.

FERGUSON'S COMB'N SPRAYER AND SYRINGE

Three roses—fine, medium and coarse. Recommended as regards syringing under the foliage of plants where force is needed to keep down red spider, etc. Substantially made of brass and can be screwed on the end of any hose same as an ordinary nozzle. \$3.



Ferguson's Combination Sprayer and Syringe

FERTILIZERS

Our list contains the very best and most modern kinds.
We can quote special prices on carload quantities

All prices subject to market
changes

S. & W. Co.'s Bone Fertilizers

No. 1 Bone Dust for Quick Acting.

A fine ground bone of the best quality that is immediately available. As a top-dressing or for mixing with soil will be found very effective. 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$3, ton \$50.

No. 2 Bone Dust for General Use.

A bone dust about pinhead size with a fair percentage of bone flour. Excellent for top-dressing lawns as well as good for mixing with soil. Sold largely to carnation and rose-growers for top-dressing and for mixing with soil. 5 lbs. 25 cts., 10 lbs. 40 cts., 25 lbs. 75 cts., 50 lbs. \$1.40, 100 lbs. \$2.50, ton \$40.

No. 3 Crushed Bone for Vines and Trees.

Largely used for vines, trees and shrubs. About the size of a bean. Very effective and lasting. 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$3, ton \$45.

S. & W. Co.'s Charcoal.

Excellent for mixing with soil for pot-plants, also for vines. Three sizes, No. 1, Powdered; No. 2, Medium; No. 3, Lumps, 3 to 4 inches. Any size, per bag of 50 lbs., \$1.25.

S. & W. Co.'s Potato Manure.

This brand is our leader, and is manufactured from a bone and meat basis, and is high in analysis and a strictly high-grade fertilizer. It is a brand that has given universal satisfaction for all root-crops, and it is unequalled for potatoes, gardening or truck farming. 50 lbs. \$1.75, 100 lbs. \$3, 500 lbs. \$12, 1,000 lbs. \$22.50, ton \$42.

S. & W. Co.'s General Garden Fertilizer.

This fertilizer is for general garden work for vegetables, flowers and fruits. 10 lbs. sufficient for space 15 x 15, 500 lbs. to the acre. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$3, ton \$45.

S. & W. Co.'s Corn Fertilizer.

This is a brand which many farmers prefer to use that have sufficient quantities of stable manure for broadcast application, using this brand in the hill or drill. We have many testimonials as to its quality for growing splendid crops of corn. 50 lbs. \$1.75, 100 lbs. \$3, 500 lbs. \$11, 1,000 lbs. \$20, ton \$37.

GENERAL LIST OF FERTILIZERS

ASHES, CANADA HARDWOOD. Quantity required: Apply one to two tons per acre, as one heavy application will help much more than the same quantity would applied in fractions. Bbl. of about 200 lbs. \$3, ton of 2,000 lbs., in bbls., \$24; by car, \$22 per ton.

BASIC SLAG. See Phosphate.

BON ARBOR. A complete plant-food. High in nitrogen, potash and phosphoric acid. ½-lb. package, makes fifteen gallons liquid, 25 cts., 1-lb. package 50 cts., 5-lb. package \$1.80. Circular on application.

"BONORA," "NATURE'S PLANT-FOOD." 5 lbs. making 140 gallons, \$2.50, ¼-lb. package 25 cts., 1-lb. package 50 cts. Circular and further information on application.

BOWKER'S AMMONIATED FOOD FOR FLOWERS. Made especially for plants grown in the conservatory, house or garden; clean, free from offensive odor. Full directions with each package. Small size, 15 cts., large size 25 cts.; by mail, 20 cts. and 30 cts.

CLAY'S CELEBRATED FERTILIZER. In bags, 1 cwt. (112 lbs.) \$7, ½cwt. (56 lbs.) \$4, ¼cwt. (28 lbs.) \$2.25, ⅓cwt. (14 lbs.) \$1.25.

COW- or CATTLE-MANURE, Shredded. One sack of this is equal to one cart-load of fresh cow-manure, is convenient to handle, making it possible for everyone to get this usually scarce article at all times. In 100-lb. sacks only. 100 lbs. \$2, 500 lbs. \$9, 1,000 lbs. \$16, ton \$30.

DRIED BLOOD. Fourteen per cent ammonia. Excellent for carnations. 10 lbs. 75 cts., 50 lbs. \$3, 100 lbs. \$5.

EMERALD LAWN DRESSING. A clean, portable and convenient lawn dressing, which we have found to be never-failing in inducing a rapid and rich green growth. It should be sown broadcast in the spring or fall, though it can be put on during the summer without injury or danger of burning the grass, and a remarkable improvement will soon be observed. It is in every way more desirable than manure. The use of Emerald Lawn Dressing entirely does away with the old practice of top-dressing lawns with stable manure. Quantity required: A 10-lb. package is sufficient to go over an area of 300 square feet, or for forming a new lawn, from 1,000 to 1,500 lbs. per acre, or a smaller quantity for renovating an old one. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$3, 500 lbs. \$12.50, 2,000 lbs. (ton) \$45.

FARMOGERM. High-bred nitrogen-fixing bacteria. Farmogerm is put up in bottles in the following sizes: Garden size, containing material to treat the seeds for one-sixth acre of land, 50 cts.; acre-size, containing material to treat the seeds for one acre, \$2; five-acre size, containing material to treat the seeds for five acres of land, \$9. For the following crops in acre-sizes: Red Clover, Mammoth Clover, Crimson Clover, White Clover, Burr Clover, Sweet Clover, Alsike, Alfalfa, Berseem, Peanuts, Vetch, Lupins, Garden Beans, Garden Peas, Sweet Peas, Cowpeas, Canadian Field Peas, Soy Beans, and all other legumes. In garden size for Peas, Beans and Sweet Peas; also a mixed culture good for all three. In ordering, state what crop you wish to plant, quantity wanted, and ask for book on the Farmogerm Method. (See, also, page 77.)

LIME, R. R. AGRICULTURAL. This Lime is specially prepared for use on the soil, and is a combination of calcium hydrate and calcium carbonate, finely pulverized. Quantity required: Heavy soils, 2,000 to 6,000 lbs. per acre. Light, sandy soils, 1,000 to 3,000 lbs. per acre, according to their apparent need. Per 100-lb. bag, \$1.25, 500 lbs. \$5, ton \$14. In lots of 3 tons or over, \$12.50 per ton, carload lots \$9 per ton, f. o. b. New York.

MURIATE OF POTASH. A form of potash salts to be used with bone meal, bone and blood, or farm manures, on fruits, celery, asparagus, corn, oats, turnips, cucumbers, grapes, carrots, onions, peas, clover and beans. Must not be used on hops, potatoes, tobacco, flax, sugar beets, cabbage or cauliflower. 50 to 400 lbs. per acre. 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. \$1, 50 lbs. \$1.85, 100 lbs. \$3.50, 200 lbs. \$6.50, 500 lbs. \$15.50. Write for prices on ton lots.

NITRATE OF SODA. Quantity required: Being extremely soluble, it is usually applied after the plants are above ground. 100 to 500 lbs. per acre. 5-lb. package, 40 cts., 10-lb. package 70 cts., 25-lb. bag \$1.50, 50-lb. bag \$2.50, 100 lbs. \$4.50.

PHOSPHATE, High-Grade Acid or Rock. Apply 1,000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200-lb. sacks only, \$2, ton \$14.50.

PHOSPHATE, Thomas' Basic Slag. Contains proper elements to produce a rich luxuriant growth; apply 600* to 800 lbs. per acre. 200-lb. bag, \$2.75; per ton, \$22.

PLANT-FOOD. See Bowker's Ammoniated Food for Flowers.

SALT. For agricultural purposes, asparagus beds and putting on walks and roads to kill weeds. Apply 600 to 800 lbs. per acre in early spring. 10 lbs. 20 cts., 25 lbs. 30 cts., 50 lbs. 55 cts., 100 lbs. \$1, 200 lbs. \$1.50, ton \$10.

SCOTCH SOOT. Genuine imported. For stimulating healthy growth of dark green foliage, and it will free the soil of slugs, grubs and cut-worms. 10 lbs. 60 cts., 50 lbs. \$2.50, 100 lbs. \$4.

SHEEP-MANURE, PURE PULVERIZED. A pure, natural nutritious manure. Immediate and lasting in effect. Excellent for mixing with the soil for greenhouse plants. In the vegetable garden it promotes a rapid, steady growth until maturity. It makes a rich liquid manure. Quantity required: For garden and field crops, one to two tons per acre; one-half before plowing, the balance before harrowing. For top-dressing grass, use 1 ton per acre, applied in fall or early spring. 100-lb. bag \$2, ton of 2,000 lbs. \$30. In packages of 2 lbs. 15 cts., 5 lbs. 25 cts., 10 lbs. 40 cts.

SULPHATE OF POTASH. Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its great strength it must be used judiciously. Valuable for root- and grain-crops. Analysis, equal to 50 per cent of actual potash. 10 lbs. 10 cts., 5 lbs. 40 cts., 10 lbs. 70 cts., 25 lbs. \$1.50, 50 lbs. \$2.25, 100 lbs. \$4, 200 lbs. \$7.25.

THOMSON'S VINE, PLANT AND VEGETABLE MANURE. 28 lbs. \$1.75, 56 lbs. \$3.50, 112 lbs. \$6.75.

THOMSON'S SPECIAL CHRYSANTHEMUM AND TOP-DRESSING MANURE. An excellent stimulant. 7-lb. bag, \$1.50, 14-lb. bag \$2.50, 28-lb. bag \$4, 56-lb. bag \$7.

WOOD ASHES. See Ashes, Canada Hardwood.

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